

# Lower Passaic River Study Area

# DISCHARGE PRP CASES FOR THE LOWER PASSAIC RIVER STUDY AREA

# VOLUME 1 OF 2

## PRP EXTRACTION FORM AND EVIDENCE CONCERNING:

Kleer Kast Division of PMC, Inc.

## PREPARED FOR:

LOWER PASSAIC RIVER STUDY AREA COOPERATING PARTIES GROUP

SUBMITTED TO: USEPA REGION II

December 7, 2007

#### LOWER PASSAIC RIVER STUDY AREA

# DISCHARGE PRP CASES FOR THE LOWER PASSAIC RIVER STUDY AREA KLEER KAST DIVISION OF PMC, INC.

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11	1977	1-Nov	Kleer Kast letter to NJDEP re: pump capacity flow			
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13	1977	August	NJDEP letter to USEPA re: Certification for National Pollutant Discharge Elimination System for Kleer Kast #NJ0031313			
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18	1982	23-Mar	Kleer Kast letter to NJDEP re: response to citation for excessive amounts of TOC
19	1982	23-Jan	USEPA letter to Kleer Kast re: NPDES Permit # NJ0031313 Overdue Response
20	1987	15-Jan	NJDEP letter to Kleer Kast re:Final NJPDES/DSW Permit #NJ0031313
21	1987	16-Jun	Wetland Evaluation of the Kleer Kast, Inc. Project Site - Town of Kearny Hudson County, New Jersey
22	1987	20-Jul	International Testing Laboratories - Report of Test of sampled water
23	1987	14-Aug	Letter from PMC to NJDEP re: Kleer Kast Div of PMC, Inc.& TOC non-compliance
24	1987	18-Aug	Letter from PMC to RoseArt re: oil spill at the RoseArt operation on the Kleer Kast property
25	1987	20-Oct	Letter from PMC to NJDEP re: Kleer Kast Div of PMC, Inc.& TOC non-compliance
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Tab No.	Year	Day and Month	Description
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40	1990	24-Dec	Letter from Kleer Kast to NJDEP re: Compliance Evaluation Inspection - 10/23/90
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47	1993	30-Apr	Letter from Kleer Kast to PVSC re: discharge of non-regulated substance
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52	1994	26-Oct	NJDEP Discharge Surveillance Report re: Kleer Kast
53	1995	17-Jan	NJDEP letter to Kleer Kast re: Compliance Evaluation Inspection
. 54	1995	20-Feb	Community Right to Know Survey re: Kleer Kast
55	1985	30-Apr	Letter from Ampol/KleerKast to PVSC re: rebuilding of waste water discharge system
56	1984	21-Aug	NJDEP Notice of Authorization - Permit #NJ0031313 expiration 09/30/86

Tab No.	Year	Day and Month	Description			
57	1985	21-Oct	Letter from Ampol/KleerKast to PVSC re: expedite sewer application approval			
58	1985	28-Oct	Memo of visit to Kleer Kast re: district verification			
59	1985	29-Oct	Memo from C. DellaPia to F. D'Ascensio re: Kleer Kast			
60	1985	27-Sep	PVSC Application for sewer connection permit re: Kleer Kast			
61	1985	29-Nov	Letter from Shimel & Sor Testing to PVSC re: Ampol-Kleer Kast wastewater			
62	1986	6-Jan	Letter from Ampol/KleerKast to PVSC re: modifications on master plan			
63	1986	2-May	Memo of inspection of Kleer Kast facility - Pretreatment Classification 40 CFR 463			
64	1986	13-Jun	Letter from Ampol/KleerKast re: USEPA sampling & flow measurement designs			
65	1987	29-Apr	Memo to C. Perrapato from F. D'Ascensio re: EPA Enforcement Action			

# LOWER PASSAIC RIVER STUDY AREA PRP DATA EXTRACTION FORM

### KLEER KAST, DIVISION OF PMC INC.

#### **CURRENT MAILING ADDRESS/CONTACT INFO:**

Philip E. Kamins, Chief Executive Officer PMC, Inc. 12243 Branford Street Sun Valley, CA 91352 (PCF000733 at Tab 124, PCF000735 at Tab 124)

#### **FACILITY ADDRESS:**

Kleer Kast, a Division of PMC Inc. 450 Schuyler Avenue Kearny, NJ 07032 (the "Site")

Block 226, Lots 3, 4, and 11

(PCF000002 at Tab 1, PCF000065 at Tab 4, PCF000166 at Tab 11, PCF000219 at Tab 21, PCF000779 at Tab 129, PCF000781 at Tab 130, PCF000783 at Tab 131, PCF000785 at Tab 132)

The facility also operated under the following names:

- Ampol Division of Kleer Kast Inc. (1985)
- King Finishing Inc., Division of PMC Inc. (1999)

(PCF000219 at Tab 21, PCF000787 at Tab 133)

#### FINANCIAL VIABILITY (annual revenue, # of employees):

Kleer Kast, Inc. ("Kleer Kast") was incorporated in New Jersey on September 10, 1971. The company was formerly known as K & M Plastics Corp. Kleer Kast utilized two fictitious names: (1) American Polymers, Inc., and (2) Ampol Division. (PCF000747 at Tab 125)

Kleer Kast had estimated sales ranging from \$1 million to \$4.9 million in 1999, while operating as King Finishing, Inc. (a division of PMC, Inc.). (PCF000787 at Tab 133)

PMC Inc. ("PMC") of Sun Valley, California, is the owner of the Kleer Kast Site in Kearny, NJ, and operates Kleer Kast as a division. PMC was founded in 1971 and incorporated in the State of Delaware on August 11, 1993. PMC's ultimate domestic parent is PMC Global, Inc., which

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operates PMC as a subsidiary. As of 2003, PMC had a workforce of 3,000 employees and a net worth of \$110 Million. (PCF000202 at Tab 20, PCF000733 at Tab 124, PCF000735 at Tab 124, PCF000737 at Tab 124, PCF000741 at Tab 124, PCF000754 at Tab 126, PCF000772 at Tab 128)

**DATES OF OPERATION** (include info. on predecessors/successors if known):

Site operations commenced in 1971 and continue to the present. (PCF000069 at Tab 5, PCF000753 at Tab 126)

**DESCRIPTION OF FACILITY OPERATIONS** (list CERCLA hazardous substances used, manufactured or present):

The 19-acre Site is located at 450 Schuyler Avenue in Kearny, Hudson County, New Jersey. The Site is located in the northwestern section of the Town of Kearny and is bordered by a Conrail railroad right-of-way to the east. A large freshwater marsh known as "Kearny Meadows" is located farther east and on the opposite side of the Conrail railroad right-of way. The Site is bordered by Schuyler Avenue to the west and unrelated properties to its north. It is bordered by Quincy Place and other unrelated properties to its south. The area surrounding the Site consists of a mixture of industrial, commercial and residential developments. The Site is listed on the New Jersey State Priority List ("SPL") of contaminated sites. (PCF000219 at Tab 21, PCF000451 at Tab 60, PCF000624 at Tab 97)

The following annotated aerial photograph identifies the approximate location of the Kleer Kast Site in Kearny, NJ:



Kleer Kast Site 450 Schuyler Avenue Kearny, NJ 07032

Aerial Photo Copyright Dated: 2007 Source: Google Earth (Sanborn/Europa Technologies/State of New Jersey/Tele Atlas)

Site boundary line locations as shown are approximations

(PCF000113A at Tab 6, PCF000220 at Tab 21)

From the late 1970s through at least 1999, operations at the Site centered around various processes involving the production of plastic products, specifically: clear and black plastic

sheeting for the graphic arts, stationery and packaging industries; cellulose acetate sheeting; acetate pellets; compounded and extruded cellulose; butyrate; propitionate; acetate tool handles; and plasticized compounds. (PCF000070 at Tab 5, PCF000130 at Tab 8, PCF000142 at Tab 8, PCF000170 at Tab 14, PCF000186 at Tab 17, PCF000209 at Tab 20, PCF000433 at Tab 60, PCF000489 at Tab 72, PCF000779 at Tab 129, PCF000783 at Tab 131)

The facility operated continuously on a 24-hour per day basis, 7-days per week, all year and over time, had a workforce of between 30 and 60 employees. (PCF000002 at Tab 1, PCF000069 at Tab 5, PCF000128 at Tab 8, PCF000166 at Tab 11, PCF000170 at Tab 14, PCF000276 at Tab 39, PCF000489 at Tab 72)

In 1994 and 1995, raw, process and hazardous materials found onsite include the following:

- 1,1,1-Trichloroethane
- Acetone/acetone (recycled)
- Acetylene
- Activated carbon
- Alkylaryl phosphite
- Barium
- Butyric acid
- Cadmium
- Cellulose acetate
- Cellulose acetate butyrate
- Cellulose acetate butyrate flake
- Cellulose acetate flake
- Cellulose acetate propionate
- Cellulose acetate propionate flake
- Cellulose acetate yarn
- Chromium
- Colorants
- Copper
- Diethyl phthalate
- Diethylaminoethanol
- Dimethyl phthalate
- Di-n-butyl phthalate
- Di-tert-octyl diphenyl oxide
- Epichlorohydrin and Bis phenol A reaction products
- Ethyl cellulose
- Ethylene glycol
- Fuel oil number 6
- Hydrogen
- Mercury
- Morpholine
- Oil
- Phthalate plasticizers
- Propane
- Sodium hydroxide

- Sodium polyacrylate
- Triethyl phosphate
- Triphenyl phosphate
- Zinc stearate

(PCF000066-67 at Tab 4, PCF000130 at Tab 8, PCF000170 at Tab 14, PCF000333 at Tab 51, PCF000394-402 at Tab 54, PCF000433 at Tab 60)

In 1994, acetone, diethyl phthalate and dimethyl phthalate were stored in above ground tanks located at the Site. The company also reported that it stored pigments (containing chromium, cadmium and mercury) in drums located in the facility's pigment room. (PCF000066-67 at Tab 4)

#### Clear Plastic Film/Sheet Production:

In the late-1970s and early 1980s, plastic (cellulose acetate) and acetone were utilized as the raw materials in an extrusion process to produce clear plastic sheets. The acetone and cellulose acetate were routed to a "solvent band casting" process where the materials were mixed with a steam input to produce the finished plastic sheets. (PCF000171 at Tab 14, PCF000180 at Tab 16)

The spent acetone from the production of the clear plastic sheets was directed to a distillation process for recycling and reuse in continued production. First, spent excess steam and acetone were directed from the solvent band casting process into a carbon column which discharged the excess steam. The spent acetone was next directed into a condenser unit. The condenser discharged an acetone-water mixture comprised of 80% water and 20% acetone. The acetone-water mixture was directed into a distillation column which received an input of steam and produced recycled acetone for reuse in production at a 99% recovery rate. Non-contact cooling water from the condenser unit and wastewater from the distillation column were discharged to Frank's Creek, a tributary of the Passaic River. (PCF000171 at Tab 14, PCF000180 at Tab 16)

#### Black Plastic Film/sheet Production:

Black "ABS plastic pellets" were directed to a facility sheet extrusion machine to produce black plastic sheets. (PCF000171 at Tab 14)

#### Facility Wastewater Discharge to Frank's Creek:

The facility utilized water from wells and municipal sources for both cooling and process purposes. The spent cooling water was discharged to Frank's Creek and ultimately to the Passaic River. In the late1970s and early 1980s, Kleer Kast discharged approximately 280,800 gallons per day of wastewater, including 10,000 gallons per day of contact water from the distillation column used for solvent recovery. (PCF000166 at Tab 11, PCF000171 at 14, PCF000187 at Tab 17, PCF000189 at Tab 17, PCF000194 at Tab 17, PCF000211 at Tab 20)

Prior to July 1986, the facility discharged all wastewater to Frank's Creek, a tributary of the Passaic River, via a single outfall, designated as DSN001. This wastewater discharge was routed to a ditch that flowed to Frank's Creek. The facility's discharge to Frank's Creek was

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comprised of stormwater (roof and roadway runoff) as well as contact and non-contact cooling water.

(PCF000171 at Tab 14, PCF000187 at Tab 17, PCF000194 at Tab 17)

At various times, the facility's wastewater discharge to Frank's Creek contained the following hazardous substances:

- 2,4,6-Trichlorophenol
- Carboxylic acid (COOH)
- Chlorides
- Chloroethane
- Chromium
- Copper
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-butyl phthalate
- Iron
- Lead
- Petroleum hydrocarbons
- Phenol
- Trichloroethylene
- Zinc

(PCF000171 at Tab 14, PCF000180-182 at Tab 16, PCF000308 at Tab 43, PCF000437-440 at Tab 60)

#### Facility Wastewater Discharge to Passaic Valley Sewerage Commissioners ("PVSC"):

Kleer Kast advised PVSC in April 1985 that it was planning to rebuild its wastewater discharge system to conform to NJDEP's requirements and that the company would be applying for a sewer connection permit. The permit request was filed in September 1985 in response to a civil action by the United States Environmental Protection Agency ("USEPA") against Kleer Kast for violation of the federal Clean Water Act for discharging contact cooling water to Frank's Creek. At that time, the facility had two sanitary sewer lines tied into the PVSC system and was requesting the tie-in of additional industrial lines into the PVSC system to eliminate the surface water discharge of contact water. On July 1, 1986, the company began discharging contact cooling water to the PVSC system rather than to surface water. (PCF000403 at Tab 55, PCF000428 at Tab 57, PCF000429 at Tab 58, PCF000458 at Tab 62, PCF000459 at Tab 63, PCF000461-462 at Tab 65)

By 1987, all process wastewater, contact cooling water and sanitary waste water was directed to the PVSC treatment plant. (PCF000209 at Tab 20) Sampling of the facility's wastewater discharge to the sewer system in 1988 and 1990, following the rebuild of Kleer Kast's wastewater discharge system, identified the following hazardous substances:

- Acetone
- Copper

- Iron
- Methylene chloride
- Zinc

(PCF000234 at Tab 26, PCF000236 at Tab 26, PCF000275 at Tab 38)

In 1991, Kleer Kast advised PVSC of the following hazardous substances that were present or may have been present, in excess of 15 kilograms per calendar month, in the facility's wastewater discharge to the PVSC system:

Hazardous Substance That Were Present In 1991 in the Kleer Kast Wastewater Discharge to PVSC	Hazardous Substance That May Have Been Present In 1991 in the Kleer Kast Wastewater Discharge to PVSC
1,1,1 Trichloroethane	Barium
Acetone	Cadmium
Diethyl phthalate	Chromium
	Dibutyl phthalate
	Dimethyl phthalate
·	Lead
	Mercury
	Phenol
	Selenium

#### (PCF000295-307 at Tab 42)

In 1994 and 1995, the following hazardous substances were known or suspected to be present in the facility's wastewater discharge to the PVSC:

- 1,1,1 trichloroethane
- Cadmium, total
- Chromium, total
- Copper
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-butyl phthalate
- Ethanolamine
- Lead, total
- Mercury, total
- Petroleum hydrocarbons
- Sudan 1 (solvent yellow 14)
- Total oil & grease
- Total organic carbon (TOC)
- Volatile solids
- Zinc, total

(PCF000133 at Tab 8, PCF000137-141 at Tab 8, PCF000339 at Tab 52)

#### Site Soil Sampling and Contamination:

In April 1993, four underground fuel oil storage tanks ("USTs") were excavated and removed from the Site. Sampling of the soils surrounding the USTs identified the following hazardous substances in Site soils:

- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Pyrene
- Benzo(a,h,i)perylene
- Total petroleum hydrocarbons

(PCF000624-627 at Tab 97)

#### **PERMITS** (provide dates):

#### NPDES:

NJPDES Permit # NJ0031313 for facility wastewater discharge to Frank's Creek, a tributary of the Passaic River was effective March 1, 1985 through February 28, 1992. The prior NPDES permit number NJ0031313 was effective October 1, 1984 with an expiration date of September 30, 1986.

(PCF000202 at Tab 20, PCF000406 at Tab 56)

#### PVSC (pretreatment):

PVSC Sewer Connection Permit for facility wastewater discharge to PVSC system Permit #15405032 was effective May 27, 1996 through May 24, 2001. The prior PVSC discharge/sewer connection permit was effective May 27, 1991 through May 27, 1996.

(PCF000017 at Tab 2, PCF000035 at Tab 3)

#### Other Permits:

Other permits issued to the Site include the following:

- NJDEP Air Permit # 107277 for "casting" operations
- NJDEP Air Permit # 093448 for "blending" operations
- NJDEP Air Permit # 105379 for compounding operations
- NJDEP Air Permits # 103729, 094719 and 094720 for acetone storage tanks
- NJDEP Air Permit # 094721 for "distillation" operations
- NJDEP Air Permit # 110863 for optical dust collector
- NJDEP Air Permit # 107276 for sheet extrusion operations
- NJDEP Air Permit # 099564 for boiler

**NEXUS TO LOWER PASSAIC RIVER STUDY AREA** (describe in detail; cite to supporting documentation; date or time period of disposal; list CERCLA hazardous substances; and volume, if known):

Direct (e.g. pipe, outfall, spill):

Online USEPA environmental records note Kleer Kast as having releases of dimethyl phthalate from the Site to surface water in the amount of 2 pounds per year in 1995. (PCF000768 at Tab 127)

During a June 9, 1994 facility inspection, NJDEP documented that an oil-like substance was leaking from the foundation of the loading dock area of Alexandria Plastics, a tenant at the Kleer Kast Site. The oil-like substance was observed discharging to the waters of the State. Kleer Kast was directed by NJDEP to determine the source of the oil-like substance, to immediately and permanently cease the unpermitted discharge and to submit a written report detailing the corrective actions taken by Kleer Kast. (PCF000328 at Tab 50) No further information has been obtained concerning the investigation and disposition, if any, of this unpermitted discharge.

On March 21, 1985, dye testing conducted at the Kleer Kast/Ampol facility documented that process overflows discharged to facility drains ultimately flowed to Frank's Creek. (PCF000494 at Tab 72, PCF000507 at Tab 73, PCF000517-518 at Tab 76, PCF000520-521 at Tab 76) The dye test was performed on a drain that received the water from the quench baths; these baths were sampled in December 1984 and the following hazardous substances were detected:

- Copper
- Dimethyl phthalate
- Diethyl phtalate
- Lead
- Methylene chloride
- Trichloroethylene

(PCF000507-510 at Tab 74)

As noted above, the Site discharged both non-contact cooling water as well as process water from the distillation column to Frank's Creek, a tributary of the Passaic River. Wastewater discharged to the Creek contained, at various times, the following hazardous substances:

- 2,4,6-Trichlorophenol
- Carboxylic acid (COOH)
- Chlorides
- Chloroethane
- Chromium
- Copper
- Diethyl phthalate
- Dimethyl phthalate
- Di-n-butyl phthalate
- Iron

- Lead
- Petroleum hydrocarbons
- Phenol
- Trichloroethylene
- Zinc

(PCF000171 at Tab 14, PCF000180-182 at Tab 16, PCF000308 at Tab 43, PCF000437-440 at Tab 60)

These hazardous substances would have been present in the facility's discharges to Frank's Creek for the 14 years they discharged to surface water without a permit, and during any permit violations noted below.

- Based on a January 28, 1982, facility inspection, NJDEP cited Kleer Kast for excessive amounts of total organic carbon ("TOC") in its wastewater discharge. Sampling indicated TOC levels of 0.39 ppm. (PCF000160 at Tab 9, PCF000197 at Tab 18, PCF000200 at Tab 19)
- In July 1987 the facility was out of compliance for high levels of TOC in its discharge. Kleer Kast stated that the TOC exceedences were due to high levels of inorganic carbon in the water withdrawn from its onsite production wells. (PCF000228 at Tab 23)
- In August 1987 a spill occurred at the Site at the operations of RoseArt, a tenant of Kleer Kast. The RoseArt spill occurred prior to August 14, 1987, and had not been cleaned-up as of August 18, 1987. No further information was provided as to the extent and size of the spill. The spill consisted of mineral oil, which was carried into the facility's NPDES discharge via stormwater runoff to storm drains due to heavy rains. This discharge resulted in non-compliance for TOC during NPDES permit required monthly monitoring in August 1987. (PCF000230 at Tab 24, PCF000232 at Tab 25)
- Kleer Kast exceeded total suspended solids ("TSS") effluent limitations in violation of its NPDES permit during August 1987 and in May and July 1988. In a Notice of Violation ("NOV") issued by NJDEP, Kleer Kast was cited for having an unpermitted source of wastewater originating from storm water runoff, that was routed into the facility's NPDES DSN001 outfall to Frank's Creek. (PCF000238 at Tab 27, PCF000241 at Tab 28, PCF000244 at Tab 29, PCF000247-248 at Tab 30)
- On August 1, 1989, NJDEP conducted a facility evaluation inspection of the Kleer Kast facility. Based upon the findings of the inspection, the agency issued a Notice of Violation to Kleer Kast on October 6, 1989. An unpermitted discharge of non-contact cooling water from injection molding machines was observed by NJDEP in facility Building # 5. NJDEP also reported that floatables, including plastic pellets, were observed in the effluent of DSN001. (PCF000259 at Tab 33, PCF000261 at Tab 34)
- An October 23, 1990 facility inspection by NJDEP identified non-compliance for TOC. Kleer Kast subsequently advised that a preliminary investigation supported high TOC concentrations in the on-site well water utilized in the facility operations. (PCF000291 at Tab 40, PCF000293 at Tab 41)

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- NPDES sampling conducted at the Kleer Kast facility for the period ending November 30, 1993, indicated that the facility was out of compliance for temperature. (PCF000316-317 at Tab 48)
- On January 17, 1995, NJDEP advised Kleer Kast that an October 26, 1994 facility inspection documented violations by Kleer Kast for TSS. (PCF000340 at Tab 53)

Sanitary Sewer (provide name and location of CSO; details regarding CSO overflows and dates:

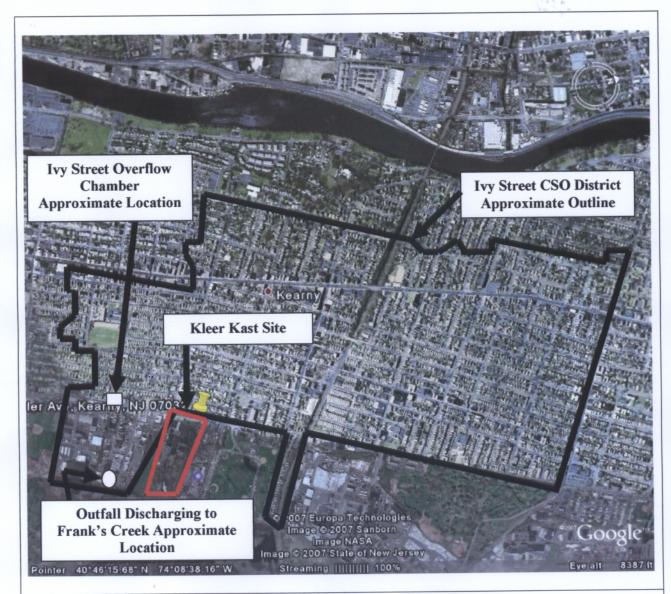
All dischargers into "navigable waters" of the United States were required under the Federal Water Pollution Control Act Amendments of 1972 to apply for an NPDES permit from the USEPA. PVSC received its NPDES Permit, effective February 28, 1975. (KLL004868 at Tab 135, KLL006250 at Tab 134)

As of April 8, 1976, PVSC adopted its "Rules and Regulations of the PVSC Concerning Sewer Connection Permits" and provided them as of April 12, 1976, to each "user municipality" in the PVSC system for their adoption and use. (KLL005050-51 at Tab 136)

The 1975 NPDES Permit for PVSC included the combined sewer outfall located at Ivy Street in Kearny, NJ, as one of the "permitted" discharge point to the Passaic River. (KLL006264 at Tab 134)

The facility is located in the Ivy Street CSO district.

The following annotated aerial photograph identifies the approximate location of the Kleer Kast Site within the Ivy Street CSO District.



# Liquid Cargo Site and Ivy Street CSO District Kearny, NJ

Aerial Photograph Copyright: 2007 Photo Source: Google Earth (Europa Technologies/Sanborn/NASA/State of New Jersey)

Site boundary line locations as shown are approximations

#### (KLL016812 at Tab 137)

The 1976 PVSC Overflow Analysis report states that overflows from the Ivy Street CSO District and outfall occur during periods of rainfall. (KLL016813 at Tab 137)

By 1987, all process wastewater, contact cooling waters and sanitary wastewater generated at the Site was being directed to the PVSC treatment plant. (PCF000209 at Tab 20)

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As discussed above, sampling from 1988 to 1995 identified the following hazardous substances as present or suspected in Kleer Kast's wastewater discharged to the PVSC:

- 1,1,1-Trichloroethane
- Acetone
- Barium
- Cadmium
- Chromium
- Copper
- Diethyl phthalate
- Dimethyl phthalate
- Dibuytl phthalate
- Ethanolamine
- Iron
- Lead
- Mercury
- Methylene chloride
- Petroleum hydrocarbons
- Phenol
- Selenium
- Sudan 1 (solvent yellow 14)
- Total oil & grease
- Total organic carbon
- Volatile solids
- Zinc

(PCF000133 at Tab 8, PCF000137-141 at Tab 8, PCF000234 at Tab 26, PCF000275 at Tab 38, PCF000296-307 at Tab 42, PCF000309 at Tab 44, PCF000312 at Tab 45, PCF000320-321 at Tab 49, PCF000323-324 at Tab 49, PCF000326-327 at Tab 49, PCF000339 at Tab 52, PCF000437-440 at Tab 60)

The following NOVs and/or reports of non-compliance with wastewater discharge permits have been issued to Kleer Kast based upon historical exceedences of certain hazardous substances detected in the facility's wastewater discharge to the PVSC system:

- On March 6, 1990, Kleer Kast reported to PVSC that approximately 50 gallons of Number 6 fuel oil were discharged to the sewer during a 1-hour period. The discharge resulted from a leak in a fuel oil recirculating line. PVSC issued a Notice of Violation to Kleer Kast on March 7, 1990 for the discharge. (PCF000265 at Tab 36, PCF000266 at Tab 37)
- On April 30, 1993, Kleer Kast advised PVSC that 100-gallons of a mixture of rainwater and diethyl phthalate, which had accumulated in the facility tank farm, was discharged to the sewer without PVSC approval. (PCF000315 at Tab 47)

#### Storm Sewer:

No information is available at this time.

#### Runoff:

No information is available at this time.

#### Groundwater:

No information is available at this time.

POTENTIAL NEXUS TO LOWER PASSAIC RIVER STUDY AREA (describe in detail; cite to supporting documentation; list CERCLA hazardous substances; and volume, if known):

Direct (e.g. pipe, outfall, spill):

See above discussion for documented discharges of hazardous substances from this facility to Frank's Creek a tributary of the Passaic River.

Sanitary Sewer (provide name and location of CSO; details regarding CSO overflows and dates):

See above discussion for documented discharges to the combined sewer system.

Storm Sewer (provide name and location of CSO; details regarding CSO overflows and dates):

During a facility inspection conducted on August 1, 1989, NJDEP reportedly observed the following:

- Area around the facility loading dock was littered with pellets and other solids that were being discharged to the facility storm sewer;
- Storm sewer located in front of facility Building # 7 was observed to have pellets and solid materials being flushed into the drain due to poor housekeeping;
- Storm sewer along the side of Building # 7 was reportedly a potential source for solid materials to enter the storm system;
- A pit along the building rented by Alexandria Plastics, a Kleer Kast tenant, has solids and pellets entering the system;
- A hose was observed to be discharging into the pit in the Alexandria Plastics building;
- Poor and unsatisfactory housekeeping practices in the manufacturing areas and plant grounds did not control floatables and solids from entering the facility discharge; and
- The facility discharge pit J9 was observed to have floatables and solid waste in the pit.

December 7, 2007

(PCF000600-601 at Tab 90)

#### Runoff:

On December 22, 1992, Kleer Kast advised NJDEP that the Kearny facility was undergoing an emergency shutdown in place as of December 12, 1992. The shutdown was reportedly due to water damage caused to the plant by a storm on December 12th. Kleer Kast advised that it ancipated resuming production at the Kearny plant on or about January 4, 1993. If, during this storm event, the plant Site was flooded, there was the potential for contaminated runoff from inside or outside of the plant to have entered the drainage pit or ditch to Frank's Creek. (PCF000314 at Tab 46)

Online USEPA environmental records note Kleer Kast as having airborne releases of dimethyl phthalate from the Kearny facility. It was noted that the amount of the released dimehyl phthalate ranged from 1 to 99 pounds per year for the reported year of 1995. (PCF000768 at Tab 127) The potential exists that the release of dimethyl phthalate to air served as a mechanism to allow for its deposition to ground and for its subsequent run-off to surface water adjacent to the Site.

In April 1993, USTs formerly utilized in the operations at the Kleer Kast Site were excavated and removed from the Site. Sampling of the soils surrounding the USTs identified the presence of the following hazardous substances as contaminants in the Site soils:

- Fluoranthene
- Pyrene
- Benzo(a,h,i)perylene
- Total petroleum hydrocarbons

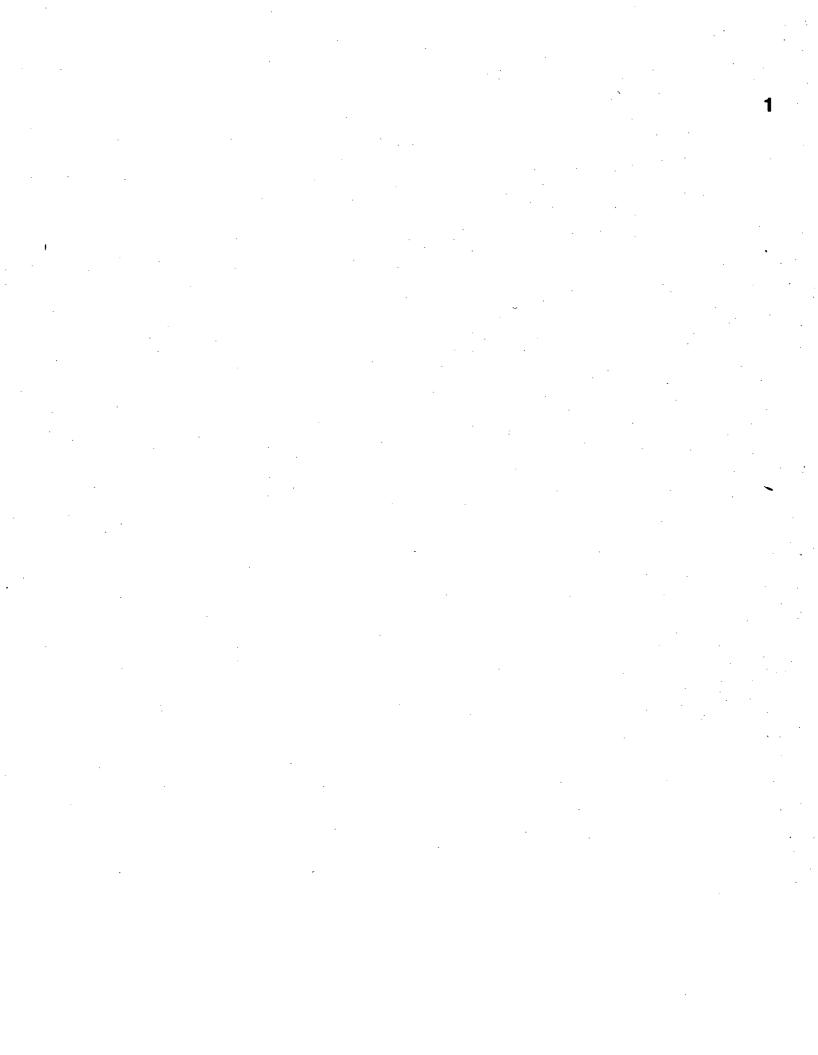
(PCF000624 at Tab 98, PCF000625-627 at Tab 98)

The potential exists that hazardous substances found as contaminants in Site soils discharged to surface waters and or storm sewers and thence to Frank's Creek, a tributary of the Passaic River.

#### Groundwater:

No information is available at this time.

December 7, 2007



1.	Company Name: Kleer Kast, Division of PMC, Inc.
2.	Permit number if applicable, 15405032
3.	Location: 450 Schuyler Avenue, Kearny, NJ
	Zip Code: 07032
4.	Mailing Address: Same
	Zip Code:
5.	Person to contact concerning information provided in this application:
	Name of Contact Official: Gregory Joseph
	Title: Environmental Manager Phone No. (201) 997-1880
	Address: Zip Code
6.	Number of Employees - Full Time: 60 Part Time:
	Number of Work Days Per Year: 365
	Number of Shifts Per Day: 1-3
7.	If property is owned indicate block and lot numbers:
	Block #226, Lot #'s 3, 4, & 11
	Assessed Value: \$1,812,600 1990
в.	If property is rented indicate name and address of owner:
	N/A
	Total square feet rented:
9.	List NJPDES Permit number if applicable, NJ0031313 and
	name of receiving body of water entered Kearny Marsh Franks Land Hadistak
	202 RIVER
	TO THE STATE OF TH
	92.5. (67)
	1

### WATER DATA

# SUPERSEDED

10. Water Source: (Circle all appropriate answers)

11.	Purchased Well River	(у)- и (у)- и у - и	If Y, is it metered If Y, is it metered	<u>ү</u> - и ү - и	
11.	Name of purchase	d water supplier:_	Kearny Water Dept.	- Kearny,	NJ
	List all Acct #s:_	5-040-032.00			
	**************************************				

12. Water Received: From Mo. 10 Yr. 1989 Through Mo. 9 Yr. 1990

(\* Next to a figure means it is estimated).

	PURCHASED	WELL	RIVER	TOTAL
1st Qtr. 1990	6,526,063	28,849,000		35,375,063
2nd Qtr. 1990	6,461,955	27,541,000		34,002,955
3rd Qtr. 1990	3,501,622	28,162,000		31,663,622
4th Qtr. 1989	6,847,725	29,274,000		36,121,725

GRAND TOTAL 137,163,365

Report in gallons

13. Water Use and Disposition (\* Next to a figure means it is estimated).

	Gallons Sanitary/Combined Sewer	Discharged Stormsewer/ River/Ditch	Gallons Used Other
Sanitary Service Only	1,339,550		
Process Waste Water	44,497,504		
Cooling Water	44,497,504	84,468,143	
Evaporation			6,858,168
Contained in the product	$\sim$	$\sim$	
Other (Describe)			

**GRAND TOTAL** 137,163,365

SECTION B (CONTINUED)

4. Process wastewater which is discharged as above is metered at follows:

to the Separate Sanitary Seve

to the Combined Sewer

to a storm sewer

Y - N

	to the Combine			<u>u</u> - N	
	to a storm sewe	! <b>r</b>	·	Y - N	
	river or ditch			(A) N	
15.	Waste Hauler Infor	metion: List :	all firms and/	or independent c	ontractors used to
10.	remove process was			_	
	Contractor		Address	Ice#	Waste type handled
		Kearny, NJ			& Packaging Waste & Trash
			SECTIO	·	
OPB	RATIONAL CHARAC	TERISTICS			•
16.	Discharge of Industr	ial Waste is co	ontinuous	Х	
	or intermittent		each ope	erating day.	
	If the discharge is in				nours:
17.	Brief description of	Manufacturing	g or other acti	vity performed: 1	) Manufacture of Cellulose
	Acetate Sheeti	ng. 2) C	ompounding	& Extrusion	of Cellulose Acetate
	Resins,		····		
	List SIC CODE #:	3079			
18.	Principal Raw Mater	ials used: Ce	llulose Ace	etate (Fiber,	Flake & Powder)
		Ace	etone		
		Die	ethyl Phtha	late	
19.	Principal Products o	r Services: Ce	ellulose Ac	cetate Plasti	c Sheet (Clear)
		C e	ellulose Ac	etate Plasti	c Resins (Colors Vary)

# SUPERSEDED SECTION C (CONTINUED)

20.	Describ	oe seasonal va	riations, if signi	ificant, giving	dates, volumes,	rates, hours, etc.	. Includ
	variatio	ons in product	lines which affe	ct waste chara	cteristics: No	ne	
	Does t	his facility shu	itdown for vace	itions? <u>Yes</u>	If so, is it b	easically the same	time eacl
	year <u>y</u>	es . Provide	dates usually sh	ut down <u>lst</u>	week in July		<del></del> -
				SECTION D			
MON	ITORIN	<u>G</u>					
21.	Describ	e any pretreat	ment process or	effluent moni	toring system in	use:	
	Outlet	15405031	None				
	_	15405032	None		····		<del></del>
	Outlet						
	-						
	Outlet_				···		
	_	<del></del>		. <u></u>			
22.	Samplir	ng information	<b>:</b>				
Outle	<u>et</u>	Contain Ind. Was	·	Sampler	Гуре	Refrigerated	
						<del>-1</del>	

Peristaltic Composite

15405031

Y

#### 23. Volume Informations

<u>Outl</u>	<u>et</u>	Daily Flow (Gallons)	Metered (Y - N)		Туре		Date	
154	105031	121,911	Y	2"	Parshall	Flume	6-7-90	
24.	Frequency of calibr	ation of each flo	w meter:_	Onc	e a year			

- 25. Attach a plot plan of the property showing:
  - (a) all existing or proposed sewer and drain lines (including outlets to a storm sewer, river or ditch);
  - (b) sample point(s); Monitoring or Pretreatment Equipment; Incoming meter(s); Well meter(s); Internal meter(s); Flowmeter(s).
  - (c) details of the connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.

## ANALYSIS OF INDUSTRIAL WASTE



26. Analysis for Industrial Waste must be a

OUTLET NO. 1540503/

Report to the nearest unit: XX.

except where indicated with (1)

Example: 15 mg/l

Report to the nearest hundredth: 0.XX

except where indicated

Example: 0.36 mg/l

Code		Parameter	<u>Value</u>	Code	<u>Parameter</u>	Value
0200*		Radioactivity (PL-1)	·	1097*	Antimony (Sb)	
0500		Total Solids	1760	1002*	Arsenic (As)	
0510		Total Mineral Solids	1540	1022*	Boron (B)	
0530		Total Suspended Solids	14	1027*	Cadmium (Cd)	<.03-ND
0552		Mineral Suspended Solids	437	1034*	Chromium Total (Cr)	<b>₹.03</b> ND
0555	(1)(3)	Petroleum Hydrocarbons	57.0_	1042*	Copper (Cu)	.03
0310		Biochemical Oxygen Demand		1045*	Iron (Fe)	.14
		(BOD)	20	1051*	Lead (Pb)	4.03-NA
0340		Chemical Oxygen Demand		0720*(3)	Cyanide (CN)	
		(COD)	685	1900*	Mercury(Report to 0.XX	x) < ₩
0680		Total Organic Carbon		1067*	Nickel (Ni)	
		(TOC)	135	1147*	Selenium (Se)	₹.01
9000		pH (standard unit range)	7	1077*	Silver (Ag)	
0610	(1)	Ammonia as N	4.1 ND	1102*	Tin (Sn)	√.50
0550	(1)(3)	Total Oil & Grease	96.2	1092*	Zinc (Zn)	.08
0745*	(1)	Sulfide		2730	Phenol	0.33
0507*	(1)	Ortho Phosphates as P		4053*	Pesticides (Report	
0625*	(1)	Kjeldahl N as N			to 0.XXX)	
9998*	(2)(3)	TTO (Report to 0.XXX)		9999*(3)	TTVO(Report to 0.XXX)	

#### FOOTNOTES:

- (1) Report results to the nearesth tenth, i.e., 1.6 mg/l.
- (\*) Analyze for this if reasonably expected to be present in the discharge unless otherwise exempted.
- (2) See instructions.
- (3) Grab sample required.

REVISED 1/87

REVISED 8/89

REVISED 7/90

# SECTION THE RESEDED

Samples collected by:_	Gregory Joseph - Environm	ental Manager
		Date: 11-9-90
Samples analyzed by:_	Accredited Laboratories,	Inc., P.O. Box 369, Foot of
Pershing Ave., C	arteret, NJ 07008	Date: 1190
Products being manufe	ctured when sample was collected	: Cellulose Acetate Resins
Who performs the anal	yses of the samples for User Charg	ge?
Accredited Labor	atories, Inc Carteret,	NJ
N/A  If monitoring has not	commenced for Pretreatment, in	ndicate Laboratory you plan to use. If
<del>-,</del>		
s The Laboratory cert	ified by NJDEP to conduct all the	required Pretreatment analyses?

#### **PRETREATMENT**

Industrial Category: Plastics Molding and Forming (SIC#3079) Subpart (s): A & B
Compliance date(s): 1-30-85
Is facility in compliance? Yes If not, and if compliance date has passed, explain actions being taken to get into compliance:
Date Baseline Monitoring Report (BMR) submitted to PVSC: N/A
Compliance schedule submitted? N/A
If yes is facility on schedule?Explain if compliance date will not be met:
Does this facility come under the Resource Conservation and Recovery Act (RCRA)?  No
Does this facility have a Spill Prevention Control and Countermeasures (SPCC) plan?  If yes, describe:  No
Has this facility ever been cited by NJDEP or EPA for a violation of State or Federal Regulations for the nature of its wastewater discharge? Y - N $\underline{Y}$
s this facility under an ECRA Clean-up? No If so, has a plan been approve by NJDEP:

#### CERTIFICATION\*:

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing official: Gregory S. Joseph
PRINT

TITLE: Environmental Manager

//-26-90 DATE

\*APPLICATION MUST BE SIGNED BY ONE OF THE FOLLOWING:

- a. Principal Officer of Corporation
- b. President or Owner of Company
- c. General Partner if a Partnership
- d. Plant Manager or Authorized Representative



## TABLE 1 BPA PRIORITY POLLUTANTS

NAMB	A	В	C	D		A	В	C	D
acenaphthene			V	1	2,4 dimethylphenol			V	
acrolein			V		2,4 dinitrotoluene			177	
acrylonitrile			V		2,6 dinitrotoluene			1	l
benzene			V		1,2 diphenylhydrazine			1	
benzidine			V		ethylbenzene			1	
carbon tetrachloride			V		fluoranthene			1//	· -
(tetrachloromethane)			7		4-chlorophenyl phenyl ether			V	
chlorobenzene			<b>V</b>		4-bromophenyl phenyl ether			V	
1,2,4-trichlorobenzene			<b>V</b>		bis(2-cloroisopropyl) ether			<b>V</b> /	
hexachlorobenzene			V/		bis(2-chloroethoxy) methane			V	7
1.2 dichloroethane					methylene chloride				7
1.1.1, trichlorethane		1	/		(dichloromethane)		F		
hexachloroethane					methyl chloride			1	<i></i>
1,1, dichloroethane	1-1		<b>V</b>		(chloromethane)				<u> </u>
1,1,2 trichloroethane	1		1		methyl bromide				
1,1,2,2, tetrachloroethane			V		(bromomethane)				
chlorethane			<b>V</b> /		bromoform(tribromomethane)			1	/
bis(chloromethyl) ether			V		dichlorobromomethane				
bis(2 chloroethyl) ether			<b>V</b>		trichlorofluoromethane			<del>- //</del>	/
2-chloroethyl vinyl ether (mixed)			1/	/	dichlorodifuoromethane				7
2-chloronaphthalene			V		chlorodibromomethane			TÝ/	7
2,4,6, trichlorophenol			V		hexachlorobutadiene			1	<del></del>
parachlorometa cresol				/	hexachlorocyclopentadiene			V	/
chloroform (trichloromethane)			<b>J</b> //	7	isophorone			1	7 :
2 chlorophenol			<b>V</b> /	7	naphthalene			V	/
1,2, dichlorobenzene			V	7	nitrobenzene			1	//
1,3, dichlorobenzene			<b>V</b> /	,	2-nitrophenol			1	Z
1,4, dichlorobenzene			V/	7,	4-nitrophenol			1	1
3,3, dichlorobenzidine			V	/	2,4-dinitrophenol			1 V	<del>/</del> -
1,1, dichloroethylene					4,6 dinitro-o cresol			<b>V</b>	7.
1,2, trans-dichloroethylene	1		<b>V</b> //		N-nitrosodimethylamine			<b>V</b>	11
2,4, dichlorophenol			√/	/	N-nitrosodiphenylamine			V	1
1,2, dichloropropane			1	7	N-nitrosodi-n-proplyamine			VΧ	<i></i>
1,3 dichloropropylene			<b>V</b>		pentachlorophenol			<b> </b>	
(1,3 dichloropropene)	1		7		phenol				

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

# SUPERSEDED. TABLE 1 EPA PRIORITY POLLUTANTS (CONTINUED)

NAME	Α.	В	C	D		A	В	C	D
bis(2-ethlhexyl) phthalate			,	V	endrin			1	-
butyibenzylphthalate			V		endrin aldahyde			1/	
di-n-butylphthalate		V			heptachlor	1		V	<del>                                     </del>
di-n-octylphthalate			V		heptachlor (epoxide)	7		V	
diethylphthalate	1				BHC Alpha			1//	1
dimethylphthalate			V		BHC Beta			1	
benzo(a)anthracene					BHC Gamma BHC Delta	T		V	7
benzo(a)pyrene					BHC Delta			V	7.
3,4 benzofluoranthene					PCB-1242			V	7,
benzo(k)fluoranthane					PCB-1254			V	,
chrysene			V		PCB-1221	1			7,
acenaphthylene			7/		PCB-1232				1
anthracene			V		PCB-1248				
benzo(ghi)perylene			V	/	PCB-1260			V	
fluorene			V		PCB-1016			V	,
phenanthrene			V	/	toxaphene			V	7
dibenzo(a,h)anthracene			V	<b>/</b>	antimony (total)			<b>V</b> /	/
indeno(1,2,3-c,d)pyrene			V		arsenic (total)			V	/
pyrene			V		asbestos (fibrous)			V	
tetrachloroethylene			V	/_	beryllium (total)			V	_
toluene			$\sqrt{2}$		cadmium (total)		<b>V</b> /		
richloroethylene	ŀ		V	1/2	chromium (total)				
vinyl chloride				Z	copper (total)		$\sqrt{}$		
aldrin				/	cyanide (total)			<b>∠ V</b>	
dieldrin			V	/_	lead (total)				
chlordane			V		mercury (total)		$\nabla$		
4,4 DDT			V		nickel (total)_			$\sqrt{}$	
4,4 DDE			$\sqrt{\lambda}$		selenium (total)		$\overline{V}$		
4,4 DDD			V		silver (total)			1	
endosulfan 1			V	7/ 1	thallium (total)		7		,
endosulfan 11			V		zine (total)		<b>V</b>		
endosulfan sulfate			V		2,3,7,8, tetrachlorodibenzo			$\sqrt{\ }$	
					p-dloxin				

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

# TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

NAME	A	В	С	D		A	В	C/	D
acrylamide			V	1	n,n-dimethyl aniline				/ _
amitrole			V		3,3-dimethyl benzidine				<u>/</u>
amyl alcohols			T		1,1-dimethylhydrazine			<b>V</b> /	
anilne hydorchloride			7		dioxane			<b>V</b> /	
anisole				1	diphenylamine				
auramine				1/	ethylenimine		i	<b>V</b> /	7
benzotrichloride			V	1	hydrazine			V	
benzylamine			7		4,4'-methylene bis		,	· 🗸 /	
			V	1	(2-chloroaniline)		-		
o-chloroaniline			7	1	4,4'-methylenedianiline			<b>V</b> /	
m-chloroaniline			1	χ	methyl isobutyl ketone			\//	
p-chloraniline			I V	X/	alpha-naphthylamine beta-naphthylamine		Ī	<b>J</b> //	
1-chloro-2-nitrobenzene			V	$\mathcal{N}_{-}$					
1-chloro-4-nitrobenzene			ノ	N	n-methylaniline			1//	-
chloroprene				//	1,2-phenylenediamine			J/	
chrysoidine		<u> </u>	1	<b>A</b> /	1,3-phenylenediamine			V/	
cumene			V		1,4-phenylenediamine		17	1	
2,3-dichloroaniline			V	N = 1	sudan 1 (solvent yellow 14)		V	1/	1
2,4-dichloroaniline			V	/	thiourea		T	1//	1
2,5-dichloroaniline			V	/Y/	toluene sulfonic acids		$\mathbb{L}^{-}$	<b>7</b> //	1
3,4-dichloroaniline			J	<u>//</u>	toluidines		1	[ <del>-</del> ]/	Ī
3,5-dichloroaniline			J	N	xylidines		1	「ブ	
1,3-dichloropropene							T		
1,3-dimethoxybenzidine			TV						

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

### TABLE 3 EPA HAZARDOUS SUBSTANCES

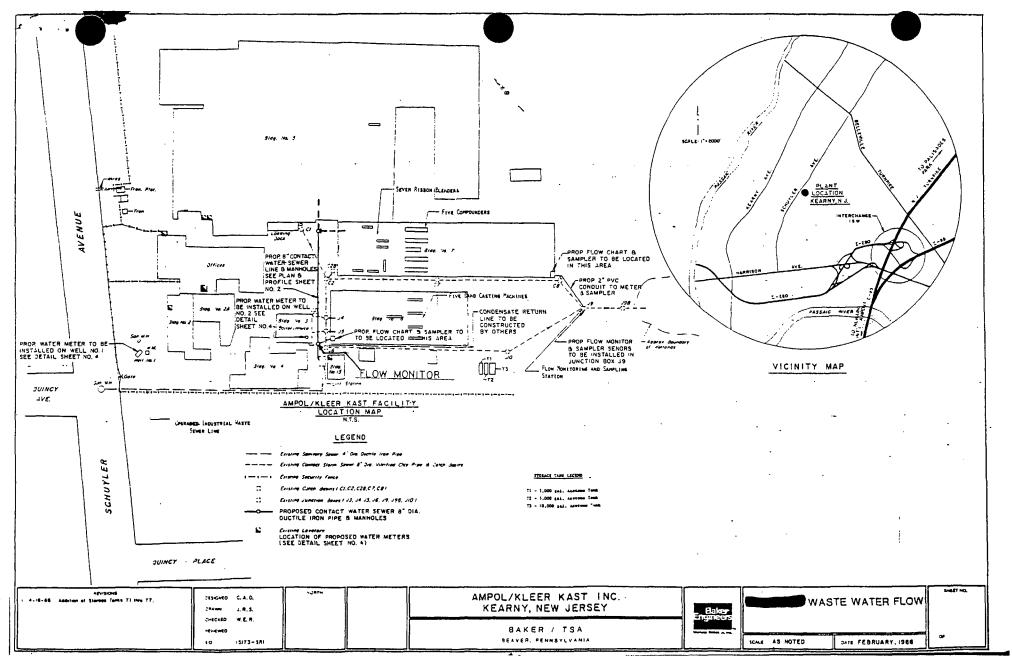
NAME	A	В	С	D		A	В	c	D
acetaldehyde				1	isopropanolamine			V	
allyl alcohol			V		kelthane			<b>V</b> /	
allyl chloride			1	1	kepone			1	
amyl acetate			V.	1.	malathion			<b>V</b> /	
aniline		· · · ·	V	1.	mercaptodimethur			<b>V</b> /	
benzonitrile			J	1	methoxychlor			V/	
benzyl chloride			V	7/	methyl mercaptan			<b>V</b> /.	
butyl acetate			J	7	methyl methacrylate			<b>V</b> /	<del></del>
butylamine			V	1	methyl parathion			1	
captan				1	mevinphos			V/	
carbaryl				//	mexacarbate			<b>V</b> /	
carboiuran			V	1	monoethyl amine			<b>V</b> /	
carbon disulfide			V	1,	monomethyl amine			<b>V</b> /	
chlorpyrifos			7	1	naled			<b>V</b> /.	
coumaphos			V	7	napthenic acid			<b>V</b> /	
cresol			V	1	nitrotoluene			<b>3</b> /	
crotonaldehyde			V	1	parathion			<b>V</b> /	
cyclohexane			V		phenoisulfanate			<b>V</b> //	
2,4-D (2,4-dichlorophenoxy			abla		phosgene			N/	
acetic acid)			7		propargite			1	
diazinon			<b>V</b> /		propylene oxide			<b>1</b>	
dicamba			<b>V</b> /		pyrethrins			<i>V</i> /	
dichlobenil			<b>V</b> /	7	quinoline			<b>V</b> //	
dichlone			V		resorcinol			7/	
2,2-dichloropropionic acid			<b>V</b>		strontium			1//	
dichlorvos			V	1	strychnine			7/	/
diethyl amine			<b>V</b> /		stryrene			1	
dimethyl amine			<b>V</b> /	1	2,4,5-T (2,4,5-trichloro-			7	
			V		phenoxy acetic acid)				
dinitrobenzene			V		TDE (tetrachloro-				
			<b>- V</b>		diphenylethane)			- /	
diquat			V		2,4,5-TP 2-(2,4,5-	[		1	
			<b>V</b> /		trichlorophenoxy)			A	
			<b>V</b> /		propanoic acid	ŧ.		1/1	-
disulfoton			<b>V</b> /	<b>7</b>	trichlorofon			1//	/
diuron			<b>V</b> /		triethylamine			1	
epichlorohydrin			7		trimethylamine			1	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

# TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

NAMB	A	В	C	D		Α	В	C	D
ethanolamine		V		7	uranium			V	1
ethion			V	1	vanadium			1	1.
ethylene diamine			V		vinyl acetate			V	<u> </u>
ethylene dibromide			V		xylene			V	
formaldehyde			V		xylenol				
luriural					zirconium			V	
guthion			V						
isoprene			<b>V</b>			1	1		

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT



PCF000016

1 of 13

### SUPERSEDED

#### PASSAIC VALLEY SEWERAGE COMMISSIONERS

#### SEWER CONNECTION PERMIT

PERMIT # 15405032

(Please use the Permit Number on any correspondence with PVSC) In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and the Rules and Regulations of the Passaic Valley Sewerage Commissioners:

	Kleer Kast					
	Division of P.M.C., Inc.					
	(herein, after referred to as the Permittee)					
s authorized to discharge from a facility located at						
	450 Schuyler Avenue					
	Kearny, New Jersey 07032					

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE	05/27/91
	05 /27 /06
EXPIRATION DATE _	05/27/96

PASSAIC VALLEY SEWERAGE COMMISSIONERS

BY:
EXECUTIVE DIRECTOR



#### A. GENERAL PROHIBITIONS

1. No person shall discharge or deposit or cause or allow to be discharged or deposited into the treatment works or public sewer any waste which contains the following:

#### a. EXPLOSIVE MIXTURES

Pollutants which create a fire or explosion hazard to the treatment works, collection system or to the operation of the system. Prohibited materials include, but are not limited to, gasoline, kerosene, naphta, benzene, toluene, xylene, ethers, etc.

#### b. CORROSIVE WASTES

Any waste which will cause corrosion or deterioration of the treatment works. All wastes must have a pH not less than 5. Unless otherwise stated in the Sewer Connection Permit, all waste shall have a pH not more than 10.5. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or flouride compounds, etc.

#### c. SOLID OR VISCOUS WASTES

Solid or viscous wastes which would cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the treatment works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides or fleshings, cinders, sand, stove or marble dust, glass, etc.

#### d. OILS AND GREASE

- (1) any industrial wastes containing floatable fats, wax, grease or oils.
- (2) any industrial wastes containing more than 100 mg/l of petroleum hydrocarbons.

#### e. NOXIOUS MATERIAL

Noxious or malodorous solids, liquids or gases, which, either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.

#### f. RADIOACTIVE WASTES

Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may cause damage or hazards to the treatment works or personnel operating the system.

## SUPERSE

#### g. EXCESSIVE DISCHARGE RATE

Industrial wastes discharged in a slug of such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

#### h. HEAT

- (1) any discharge in excess of  $150^{\circ}$  F (65 $^{\circ}$ C)
- (2) Heat in amounts which would inhibit biological activity in the PVSC treatment works resulting in a treatment process upset and subsequent loss of treatment efficiency, but in no case shall heat be introduced into the PVSC treatment works in such quantities that the temperature of the influent waters at the treatment plant exceed 40°C (104°F).

#### i. UNPOLLUTED WATERS

Any unpolluted water including, but not limited to, cooling water or uncontaminated storm water, which will increase the hydraulic load on the treatment system, except as approved by PVSC.

#### j. WATER

Any water added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limits.

- 2. No person shall discharge or convey, or permit to be discharged or conveyed, to the treatment works any wastes containing pollutants of such character or quantity that will:
  - a. Not be susceptible to treatment or interfere with the process or efficiency of the treatment system.
  - b. Violate pretreatment standards. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category must immediately conform to the USEPA timetable as well as any numeric limitations imposed by USEPA. In addition, an industrial user shall comply with any more stringent standards as determined by PVSC or other agency.
  - c. Cause the PVSC treatment plant to violate its NJPDES permit, applicable receiving water standards, permit regulating sludge which is produced during treatment or any other permit issued to PVSC.

#### B. INSTALLATION OF SAMPLERS

The permittee shall install a 24 hour composite sampler on Outlet #1 acceptable to PVSC with attachments for affixing seals,

which shall be maintained in proper working order at all times. The installed samplers shall draw a sample, over each operating day, which shall be representative of plant waste.

A one quart or one liter aliquot shall be set aside by (9:00 am Outlet #1) each operating day and refrigerated. A PVSC representative may pick up this sample during the day. Any sample not picked up by PVSC may be discarded at the end of that day.

Permittee shall insure that the sample is maintained between 10C-40C during and after sample collection.

#### C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

1. During the period beginning (05/27/91) and lasting through (05/27/96) the permittee is authorized to discharge from outlet(s) number(ed) (15405031-33206-0151). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from flowmeter readings.

EFFLUENT CHARACTERISTIC	DISCHARGE I	BHOITATIME	MONITORING REQUIREMENTS		
		<u>.</u>	MEASUREMENT PREQUENCY	SAMPLE TYPE	RBPORTING PBRIOD
BOD (0310)	XXXXXXX	xxxxxx	Monthly	24 hr. comp.	Quarterly
TSS (0530)	XXXXXXX	xxxxxx	Monthly	24 hr. comp.	Quarterly
Volume	XXXXXXX	XXXXXX	XXXXXXX	xxxxxxx	Quarterly
				,	
			1		
					:
					•
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### C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

DISCHARGE LIMITATIONS

EFFLUENT CHARACTERISTIC

1. During the period beginning (05/27/91) and lasting through (05/27/96) the permittee is authorized to discharge from outlet(s) number(ed) (15405032-33206-0151). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from water consumption data. Outlet to have a separate water consumption meter. Domestic waste only to be discharged from this outlet.

			MEASUREMENT PREQUENCY	SAMPLE TYPE	REPORTED PERIOD
BOD (0310)	VVVVV	VVVVV		5744	
	XXXXXX	XXXXXX	N/A *	N/A	XXXXXX
TSS (0530)	XXXXXX	XXXXX	N/A *	N/A	XXXXX
Volume	xxxxxx	xxxxxx	xxxxxx	xxxxxxx	Quarterly
* Concentration for Use	r Charge to be d	etermined from	Residential Strength S	andards.	
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MONITORING REQUIREMENTS

- 2. In addition to the monitoring required in Section C.1. the Permittee is required to meet the following schedule of compliance:
- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey.
- B. N.J.P.D.E.S.
  - Direct Discharge outlet monitored by N.J.D.E.P. Permit #NJ0031313, Frank's Creek/Hackensack River.
- C. It shall be the Permittee's responsibility to comply with any revisions to 40 CFR 463.15 Subpart A and 40 CFR 463.25 Subpart B and submit required reports to PVSC in accordance with General Pretreatment Regulations 40 CFR 403.12.

# SUPERSEDED

#### D. MONITORING AND REPORTING

#### 1. USER CHARGE

Monitoring results obtained during the previous 3 months shall be reported on Discharge Monitoring Report Form MR-2. Reports are due January 21, April 21, July 21, October 21. The first report is due on ( \* ). If an Industrial user fails to submit Form MR-2 on a timely basis, the Executive Director shall estimate the use for the period. The estimates may be made 30 days after the due date of the report, except for the fourth quarter where the estimates may be made after October 21.

#### 2. PRETREATMENT

Monitoring results shall be reported on Discharge Monitoring Report Form, MR-1 Semi-Annually. Reports are due January 21 and July 21.

#### 3. REPORTS

Properly signed reports required herein shall be submitted to PVSC at the following address:

PASSAIC VALLEY SEWERAGE COMMISSIONERS INDUSTRIAL WASTE CONTROL DEPARTMENT 600 Wilson Avenue Newark, NJ 07105

#### 4. TEST PROCEDURES

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. Test procedures for the analysis of pollutants shall conform to regulations contained in the PVSC Rules and Regulations, Federal, State and local laws or regulations.

#### 5. RECORDING OF RESULTS

For each measurement of a sample taken pursuant to the requirements of this permit, the permittee shall maintain a record of the following information:

- a. The date, exact place and time of sampling;
- b. The dates the analyses were performed;
- c. The person (s) who performed the analysis;
- d. The analytical techniques or methods used;
- e. The results of all required analyses.
- \* Permittee has been required to submit Monitoring Reports MR-2 to PVSC since 10/21/86.

#### 6. ADDITIONAL MONITORING BY PERMITTEE

If the permittee monitors any pollutant at the location (s) designated herein more frequently than required by this permit, using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Forms (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

#### 7. RECORDS RETENTION

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of ( $^{5}$ ) years.

#### 8. DEFINITIONS

- a. The "30 day average" discharge means the average of daily values for 30 consecutive monitoring days. For the purpose of enforcement of Pretreatment Standards, consecutive samples taken and analyzed shall be considered as being taken on consecutive days even though one or more non-sampling days intervene. In applying the Pretreatment Standards where more than one but less than 30 samples have been taken and analyzed during any month, a formula, specified by USEPA, will be used to calculate the "30 day average".
- b. The "daily maximum" discharge means the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
- c. "Daily" each operating day.
- d. "Weekly" one day each week during a normal operating day.
- e. "Monthly" one day each month during a normal operating day.
- f. "Composite" a combination of individual samples obtained at regular intervals over the entire discharge day.

The volume of each sample shall be proportional to the discharge flow rate unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For continuous discharges of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of plant waste.

- g. "Grab" an individual sample collected in less than 15 minutes.
- h. "Quarterly" every three (3) months.
- i. "N/A" not applicable.

#### E. MANAGEMENT REQUIREMENTS

#### 1. CHANGE IN DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or modification which will result in new, different, or increased discharges of pollutants must be reported by submission of a new PVSC Sewer Connection Application or, if such changes will not violate the effluent limitations specified in this permit, by notices to PVSC of such changes. Following such notices, the permit may be modified to specify and limit any pollutants not previously limited.

#### 2. NONCOMPLIANCE NOTIFICATION

If, for any reason, the permittee does not comply with, or will be unable to comply with any effluent limitation specified in this permit, the permittee shall notify PVSC within 24 hours of the occurrence.

If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:

- a. A description of the discharge and the cause of the period of noncompliance;
- b. The period of noncompliance, including exact dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and
- c. The steps being taken to reduce, eliminate and prevent a recurrence of the noncomplying discharge.

#### 3. FACILITIES OPERATION

The permittee shall at all times maintain in good working order and operate as efficiently as possible all pretreatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

#### 4. ADVERSE IMPACT

The permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.

#### 5. REMOVED SUBSTANCES

Solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of intake waters shall be disposed of in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to PVSC for review upon request.

MANAGEMENT RESPONSIBILITIES SUPERSEDED 12 0 1 1 3

#### 1. RIGHT OF ENTRY

The permittee shall allow the authorized representatives of PVSC, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring methods required in this permit; and to sample any discharge of pollutants.

#### 2. TRANSFER OF OWNERSHIP OR CONTROL

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall, in writing, notify the succeeding owner or controller of the existence of this permit, and the need to apply for a new permit, a copy of which shall be forwarded to PVSC.

#### 3. PERMIT MODIFICATION

After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its terms for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit:
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

#### 4. TOXIC POLLUTANTS

Notwithstanding (Section C), above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307 (b) of the Federal Water Pollution Control Act (the Act), its amendments, or any other subsequent law or regulation, for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

#### 5. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

#### 6. STATE LAWS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, of the Federal Water Pollution Control Act. (The Act)

#### 7. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

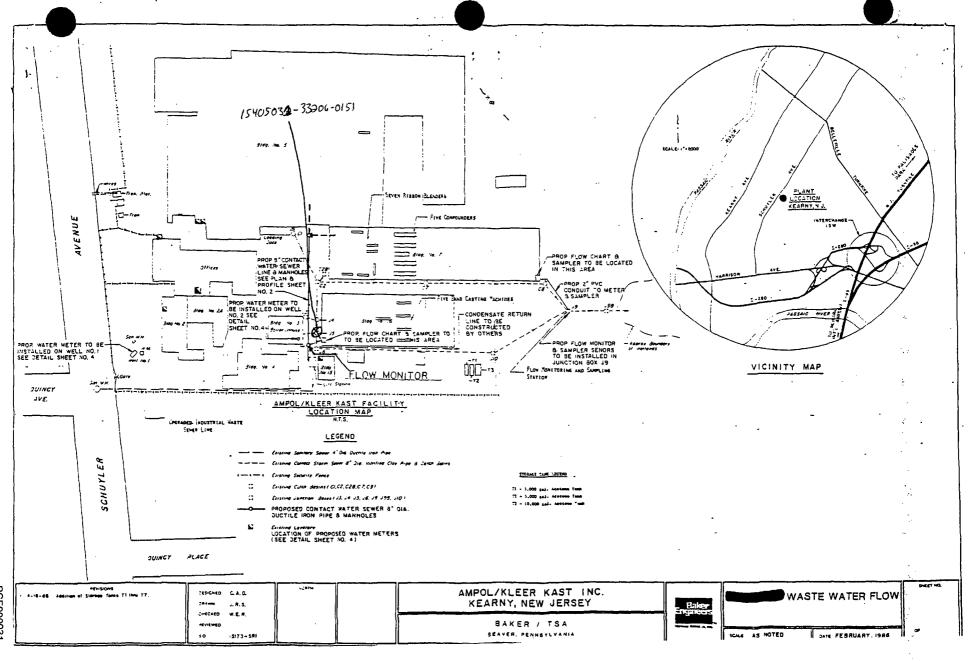
#### 8. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

# SUPERSELD

Kleer Kast 15405032-33206-0151

The User Charge Sample Point is located in between Building 3 and Building 16 outside in a fenced in manhole.

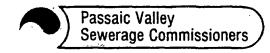


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DONALD TUCKER CHAIRMAN

RAYMOND LUCHKO VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RONALD W GIACONIA
JAMES KRONE
FRANK ORECHIO
COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951

July 19, 1991

CARMINE T. PERRAPATO EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO CHIEF COUNSEL

> LOUIS LANZILLO CLERK

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 852 756 321

Kleer Kast Division of PMC, Inc. 450 Schuyler Ave Kearny, NJ 07032

ATT: Gregory Joseph

RE: MONTHLY REPORTING PERMIT NO. 15405032

Dear Mr. Joseph

On July 1, 1991, the New Jersey Clean Water Enforcement Act went into effect. In order to comply with the Act all permittees must submit monthly reports containing analyses for all pollutants listed in the Sewer Connection Permit or applicable Categorical Regulation. Although PVSC had previously distributed information both in writing and orally, this letter will serve to modify your Sewer Connection Permit accordingly. The attached changes will be incorporated in the body of the permit upon its scheduled renewal or upon modification.

The enclosed sheet lists these new requirements. It applies to all outlets, user charge and pretreatment requirements, and supersedes the monitoring requirements contained in your permit. The change in monitoring frequency affects those users that previously monitored less frequently than monthly. It is also important to note that the monthly reports must include volume figures. Finally, incomplete reports will be considered late and subject the user to fines and other penalties.

There are many other provisions contained in the Clean Water Enforcement Act which affect your facility. If you have not procured a copy and reviewed it thoroughly, it is critical that you do so as soon as possible, for ignorance of this law is no defense. A copy can be procured from the State House Bill Room, (609) 292-6395.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato Executive Director

CTP/sml

**Enclosures** 

cc: Robert J. Davenport, Deputy Executive Director Frank P. D'Ascensio

#### PASSAIC VALLEY SEWERAGE COMMISSIONERS Revised self-monitoring frequency for all Permittees Effective July 1, 1991

#### COMPANY NAME

#### OUTLET DESIGNATION NO.

Kleer Kast Div. of PMC, Inc.

15405031-33206-0151

A.	USER CHARGE	FORM MR-2

PARAMETER	PRIOR MONITORING FREQUENCY	NEW MONITORING FREQUENCY
BOD	QUARTERLY	MONTHLY
	ALL OTHERS	SAME AS BEFORE
TSS	QUARTERLY	MONTHLY
	ALL OTHERS	SAME AS BEFORE
VOLUME	ALL	MONTHLY

#### PRETREATMENT FORM MR-1

PARAMETER	PRIOR MONITORING FREQUENCY	NEW MONITORING FREQUENCY		
ALL	MORE FREQUENTLY THAN MONTHLY	SAME AS BEFORE		

ALL OTHERS

MONTHLY

#### C. REPORT DUE DATE

All reports are due 21 days after the end of the reporting period. When the due date falls on a Sunday or Holiday the report is due on the first work day following the Sunday or Holiday.

D. INCOMPLETE REPORTS Incomplete reports will be considered late.

ATTACH THIS TO YOUR PERMIT.

### PASSAIC VALLEY SEWERAGE COMMISSIONERS Revised self-monitoring frequency for all Permittees Effective July 1, 1991

#### **COMPANY NAME**

#### OUTLET DESIGNATION NO.

Kleer Kast Div of PMC, Inc.

15405032-33206-0151

A. USER CHARGE FORM MR-2

PRIOR MONITORING FREQUENCY MONITORING FREQUENCY PARAMETER MONTHLY QUARTERLY BOD SAME AS BEFORE ALL OTHERS QUARTERLY MONTHLY TSS SAME AS BEFORE ALL OTHERS MONTHLY ALL VOLUME

B. PRETREATMENT FORM MR-1

PRIOR NEW

PARAMETER MONITORING FREQUENCY MONITORING FREQUENCY

ALL MORE FREQUENTLY THAN

MONTHLY ALL OTHERS SAME AS BEFORE MONTHLY

医骨头 医静脉 计数据线操作 医二氏反应

#### C. REPORT DUE DATE

All reports are due 21 days after the end of the reporting period. When the due date falls on a Sunday or Holiday the report is due on the first work day following the Sunday or Holiday.

D. INCOMPLETE REPORTS

Incomplete reports will be considered late.

ATTACH THIS TO YOUR PERMIT.



PERMIT#

PERMIT #	15405032	
In compliance with the provis	Number on any correspondence with sions of the Federal Water Pollution (Vater Act and the Rules and Regulation missioners:	Control Act
	KLEER KAST, DIVISION	
	OF PMC, INC.	
•	after referred to as the Permittee) zed to discharge from a facility locate	d at
	450 SCHUYLER AVENUE	
KE	ARNY, NEW JERSEY 07032	

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE	05/27/96
EXPIRATION DATE	05/24/2001

PASSAIC VALLEY SEWERAGE COMMISSIONERS

BY:		
	EXECUTIVE DIRECTOR	

#### **SECTION A**

#### CONDITIONS SPECIFIC TO THIS PERMIT

#### 1. **SAMPLING**

- 1.1 Samples and measurements taken as required under this permit shall be representative of the monitored activity. All samples shall be taken at the monitoring points approved by the PVSC and specified in this permit. Unless otherwise specified, all samples shall be drawn by a 24 hour composite sampler acceptable to the PVSC which shall be equipped with attachments appropriate for affixing seals. During and after collection, the sample shall be maintained between 1°C 4°C.
- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
  - (a) A one quart or one liter aliquot shall be set aside by 9.00 a.m. for Outlet (s) #15405031 each operating day and immediately refrigerated. A PVSC Representative may pick up this sample during the day. Any sample not picked up by the PVSC may be discarded at 5:00 p.m. on that day.
    - For User Charge the Permittee shall install a 24 hour composite sampler on Outlet (s) #15405031 which shall be maintained in proper working order at all times.
  - (b) Samples that are taken for heavy metal analysis must be drawn by an automatic 24 hour composite sampler. A grab sample is not acceptable for metals compliance determination.
  - (c) If the Permittee has been authorized by the PVSC to certify for non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical result exceeds the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample each succeeding month until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations Section B-103.3 Table B-2.2.

#### 2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(a) Beginning (05/27/96) and lasting through (05/27/2001) the permittee is authorized to discharge from outlet number (15405031-33206-0151). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located in between building #3 and building #16 outside the fence in a manhole. The Permittee shall submit volume and analysis results in accordance with PVSC User Charge Self Monitoring Report Form MR-2.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		TS
PARAMETER			MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	XXXXX	XXXXX	Monthly	24 hr. comp.	Monthly
TSS (0530)	XXXXX	XXXXX	Monthly	24 hr. comp.	Monthly
Volume	XXXXX	XXXXX	XXXXX	xxxxx	Monthly
					·

#### 2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(a) Beginning (05/27/96) and lasting through (05/27/2001) the permittee is authorized to discharge from outlet number (15405032-33206-0151). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from internal meter readings. Outlet to have a separate water consumption meter. Domestic waste only to be discharged from this outlet. The Permittee shall submit volume in accordance with PVSC User Charge Self Monitoring Report Form MR-2.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS MONITORING REQUIREMENT		DISCHARGE LIMITATIONS		ITS
PARAMETER			MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	XXXXX	XXXXX	N/A *	N/A	XXXXX
TSS (0530)	XXXXX	XXXXX	N/A *	N/A	XXXXX
Volume	XXXXX	XXXXX	XXXXX	XXXXX	Monthly
					*

<sup>\*</sup> Concentrations for User Charge to be determined from Residential Strength Standards.

### 2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(b) Beginning (07/01/97) and lasting through (05/27/2001) the permittee is authorized to discharge from outlet number (15405031-33206-0151). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located in between building #3 and building #16 outside the fence in a manhole. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1.

PVSC LOCAL LIMITS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		S
PARAMETER	mg/l MONTHLY AVERAGE	mg/l THRESHOLD VALUE	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
As	0.15	0.15	Monthly	24 hr. comp.	Monthly
Cd	0.19	0.005	Monthly	24 hr. comp	Monthly
Cu	3.02	0.092	Monthly	24 hr. comp	Monthly
Pb	0.54	0.029	Monthly	24 hr. comp	Monthly Monthly
Hg	0.080	0.001	Monthly	24 hr. comp	Monthly
Mo	XXXXX	XXXXX	Monthly	24 hr. comp	Monthly
Ni	5.9	0.02	Monthly	24 hr. comp	Monthly
Zn	1.67	1.67	Monthly	24 hr. comp	Monthly
Volume	XXXXX	XXXXX	XXXXX	XXXXX	Monthly

E Peinettet has metered valer consumption well.

#### 3. SCHEDULE OF COMPLIANCE



The Permittee is required to meet the following schedule of compliance:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey.
- B The Permittee shall notify in writing, all agencies as directed by 40 CFR 403.12 (p) of any discharges classified hazardous waste under 40 CFR 261.
- C. The Permittee is required to submit as an attachment to the MR-1 and/or MR-2 report monthly, a water balance showing meter readings used to calculate the reported volume discharged.
- D. It shall be the Permittee's responsibility to comply with any revisions to 40 CFR 463.15 Subpart and submit the required reports to PVSC in accordance with General Pretreatment Regulations 40 CFR 463.25 Subpart B.

X-1

N.J.P.D.E.S.

Direct discharge outlet monitored by N.J.D.E.P. Permit # NJ 0031313

**(G** - **↑** 06/30/97

Permittee to be in compliance with Passaic Valley Sewerage Commissioners Local Limits.

09/04/97

First periodic compliance monitoring report due. Permittee to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).

#### SECTION B

#### CONDITIONS APPLICABLE TO ALL PERMITS

#### 1. **GENERAL**

- 1.1 The Permittee shall comply with all conditions set forth in this permit and all applicable requirements which are set forth in N.J.S.A. 58:14-1 et seq. and the Rules and Regulations of the PVSC, as well as the Federal Clean Water Act, 33 <u>U.S.C.A.</u> § 1251 et seq. and the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. Failure to comply with all the terms and conditions of this permit shall constitute a violation of the Rules and Regulations of the PVSC.
- 1.2 All discharges shall be consistent at all times with the terms and conditions of this permit and no regulated pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by this permit.
- 1.3 The Permittee shall not discharge or deposit or cause or allow to be discharged or deposited into the Treatment Works or public sewer, any waste which causes or contains the following:
  - (a) Explosive Wastes Wastes in such quantity which may create a fire or explosion hazard to the Treatment Works, collection system or to the operation of the system, including but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 C.F.R. § 261.21.
  - (b) <u>Corrosive Wastes</u> Wastes in such quantity which will cause corrosion or deterioration of the Treatment Works. Unless a higher limit is otherwise stated in this Sewer Connection Permit, all wastes shall have a pH not less than 5.0. Unless otherwise stated in the Sewer Connection Permit, all wastes shall have a pH not more than 10.5. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds.

- (c) <u>Solids or Viscous Wastes</u> Solids or viscous wastes in amounts which would cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the Treatment Works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides, or fleshings, cinders, sand, stone or marble dust, and glass.
- (d) Oil And Grease (1) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through, (2) any industrial wastes containing floatable fats, wax, grease or oils, (3) any industrial wastes containing more than 100 mg/l of petroleum based oil or grease.
- (e) Noxious Materials (1) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in quantity that may cause worker health and safety problems, (2) noxious liquids, or gases, which in sufficient quantity either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- (f) Radioactive Wastes Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the Treatment Works or personnel operating the system.
- (g) <u>Interference</u> Any waste, including oxygen demanding wastes (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will interfere with the PVSC Treatment Works.
- (h) <u>Excessive Discharge Rate</u> Industrial wastes discharged in a slug or such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

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- (i) <u>Heat</u> (1) Any discharge in excess of 150°F(65°C), (2) Heat in amounts which would inhibit biological activity in the PVSC Treatment Works resulting in a treatment process upset and subsequent loss of treatment efficiency.
- (j) <u>Unpolluted Waters</u> Any unpolluted water including, but not limited to, cooling water and uncontaminated storm water, which will increase the hydraulic load on the Treatment System, except as approved by PVSC.
- (k) <u>Dilution Waters</u> Any water added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limits.
- (l) <u>Violations</u> Wastes which cause the PVSC treatment plant to violate its NJPDES Permit, applicable receiving water standards, permit regulating sludge which is produced during treatment or any other permit issued to PVSC.
- (m) <u>Ultra Hazardous Toxics</u> Those wastes designated by EPA as sufficiently toxic that they shall not be discharged to the sanitary sewer in any concentrations.
- (n) <u>Trucked Pollutants</u> Any trucked or hauled pollutants, except at discharge points designated by the Chief Executive Officer, and only after approval is issued by the PVSC.
- (o) <u>Groundwater</u> Any groundwater, pump test water, well development water or remediation water whether contaminated or uncontaminated, unless specifically authorized by the PVSC in this permit or other documents.
- (p) <u>Stormwater</u>- Any stormwater, whether contaminated or uncontaminated, unless specifically authorized by the PVSC in this permit.

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- 1.4 The Permittee shall not discharge or convey or permit to be discharged or conveyed to the PVSC Treatment Works any wastes containing pollutants of such character or quantity that:
  - (a) Impairs the PVSC's ability to protect the health and safety of the treatment plant workers.
  - (b) Will not be susceptible to treatment or will interfere with the process or efficiency of the Treatment Works.
  - (c) Violate any federal categorical pretreatment standard. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category shall conform to the USEPA timetable as well as any numeric limitations imposed by the USEPA.
  - (d) Violate a local limit imposed or adopted by the PVSC.
  - (e) Violate a Best Professional Judgment limit imposed or adopted by the PVSC.
  - (f) Cause the PVSC treatment plant to violate its NJPDES
    Permit, applicable receiving water standards, regulations
    and/or any permits governing sludge which is produced
    during treatment process, or any other permit issued to the
    PVSC.
- 1.5 The Permittee shall at all times maintain in good working order and operate all pretreatment control and monitoring equipment in strict accordance with all design specifications and manufacturer recommendations. Proper operation and maintenance includes, at a minimum, effective performance based upon specifications designed to meet applicable effluent limits, adequate funding, adequate operator staffing and training and adequate laboratory and process controls.

1.6. The Permittee shall dispose of all solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of the intake waters, in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to the PVSC for review upon request.

#### 2. INDUSTRIAL WASTE REPORTING

- 2.1 <u>USER CHARGE:</u> User Charge monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-2). The due date for properly signed reports shall be 21 days after the reporting period ends. If the 21st day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day. If the Permittee fails to submit the MR-2 Report on a timely basis the Executive Director shall estimate the usage for the period. The estimate may be made thirty (30) days after the due date of the report.
- 2.2 PRETREATMENT: Pretreatment monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-1). The due date for properly signed reports, shall be 35 days after the reporting period ends. If the 35th day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day.
- 2.3 <u>DUE DATE:</u> MR-1 and MR-2 Reports must be physically delivered to the PVSC Administration office or Security office by Midnight of the date by which they are due. The use of certified mail or other means to document or guarantee delivery may be used if deemed necessary. Postmarks are not valid to demonstrate compliance with the due date requirement.

2.4 <u>MAILING ADDRESS:</u> Reports required herein must be addressed to:

PASSAIC VALLEY SEWERAGE COMMISSIONERS ATTN: INDUSTRIAL DEPARTMENT 600 WILSON AVENUE NEWARK, NEW JERSEY 07105

- 2.5 **FACSIMILE:** The Permittee may meet the requirement for submission by sending the report(s) via facsimile provided the report is received at the PVSC Administration Office between the hours of 8:30 a.m. and 4:00 p.m. on any date up to and including the due date. In addition the due date for a hard copy of the same report shall be four (4) days after the transmission of the facsimile. Failure to deliver the hard copy by the due date specified shall result in the report being considered as not having been received and shall constitute a violation of the permit.
- 2.6 <u>ANALYTICAL PROCEDURES:</u> Analytical results for BOD, TSS or any other parameter as required by this permit shall be reported on the date that the sample was removed from the sampling device for analysis. The following procedure shall be used when reporting analytical results:
  - (a) the pollutant limit will define the precision, or number of digits to the right or left of the decimal point, to be reported.
  - (b) Calculated results shall be rounded off to the same precision as defined for that pollutant in the limit.
  - (c) Zeros in the pollutant limit are included in order to determine the precision.
  - (d) The following procedure shall be followed when rounding off results:
    - (i) round off by dropping digits that are irrelevant. If the digit 6,7,8 or 9 is to be dropped, increase the preceding digit by one unit.
    - (ii) If the digit 0,1,2,3 or 4 is to be dropped, do not alter the preceding digit.
    - (iii) If the digit 5 is to be dropped, round off the preceding digit to the nearest even number (2.25 becomes 2.2 while 2.35 becomes 2.4).

- 2.7 **RECORDING OF RESULTS:** For each measurement of a sample taken pursuant to the requirements of this permit, the Permittee shall maintain a record of the following information:
  - (a) The date, exact place and time of sampling;
  - (b) The dates the analysis were performed;
  - (c) The person(s) who performed the analysis;
  - (d) The analytical techniques or methods used; and
  - (e) The results of all required analyses.
- 2.8 <u>RECORDS RETENTION:</u> The Permittee shall maintain such records as necessary to demonstrate compliance with the requirements of this permit, the PVSC Rules and Regulations and any applicable State or Federal Pretreatment standard or requirement. All records and information resulting from the monitoring activities required by this permit including, all records of analysis performed, calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of five years.

#### 3. <u>INDUSTRIAL WASTE MONITORING</u>

3.1 MONITORING EQUIPMENT: The Permittee shall install, at his own cost and expense, whatever monitoring equipment is required by the conditions of this permit to facilitate the accurate observation, sampling and measurement of the discharge. Such equipment shall be kept safe, secured from unauthorized entry or tampering and accessible at all times. Monitoring equipment shall be calibrated as recommended by the manufacturer, except that LEL records shall be calibrated daily and pH recorders shall be calibrated at least weekly, which ever is more frequent.

- 3.2 The volume of each sample shall be proportional to the discharge flow rates unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For a continuous discharge of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of the plant waste water discharge.
- 3.3 The Permittee shall notify the PVSC as soon as possible, but in no case later than 2 hours from becoming aware of the same, if a sampling, monitoring, recording or other device required in accordance with this permit becomes inoperable. Unless otherwise directed by the PVSC, the Permittee shall submit a written report to the PVSC, attention Industrial and Pollution Control Department, within 5 working days of the occurrence detailing what occurred, why it happened, what will be done to correct the problem and a date when the problem will be corrected. If the PVSC approves the corrective action and it is expected to take more than two months from the date of occurrence to complete, the Permittee shall submit monthly progress reports until such time as the problem is corrected.
- 3.4 NOTIFICATION OF NON-COMPLIANCE: If, for any reason, the Permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, or discharges any waste and meets the Slug Discharge Definition as defined in Appendix A of the PVSC Rules and Regulations, the Permittee shall notify the PVSC within 24 hours of such occurrence.
- 3.5 If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:
  - (a) A description of the discharge and the cause of the period of noncompliance;
  - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and
  - (c) The steps being taken to reduce, eliminate and prevent a recurrence of the non-complying discharge.

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- 3.6 The Permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.
- 3.7 <u>TEST PROCEDURES:</u> Samples and measurements taken as required in this permit shall be representative of the volume and nature of the monitored discharge.
- 3.8 The Permittee shall perform all analyses in accordance with the test procedures identified under 40 C.F.R. Part 136. All test procedures, other than those identified in 40 C.F.R. Part 136, shall be considered as alternative test procedures. The Permittee is authorized to utilize an alternative test procedure only if prior written approval is received from the Chief Executive Officer in accordance with Section 319.2 of the Rules and Regulations of the PVSC.
- 3.9 Sample analyses of pollutants required by this permit shall be performed by a laboratory with a New Jersey certification for each pollutant analyzed.
- 3.10 If the Permittee monitors any pollutant at the location(s) designated more frequently than required by this permit using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the applicable Discharge Monitoring Report Form (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

#### 4. MANAGEMENT RESPONSIBILITIES

- 4.1 **RIGHT OF ENTRY:** The Permittee shall allow the authorized representatives of the PVSC, upon presentation of credentials to:
  - (a) Have immediate access to all the facilities directly or indirectly connected to the PVSC Treatment Works during normal working hours and at such other times as may be necessary during emergencies as determined by PVSC. No person shall interfere with, delay, or refuse entrance to a PVSC Inspector attempting to inspect the facility.
  - (b) Inspect the monitoring equipment and monitoring methods required in this permit or to sample any discharge of wastewater, copy any records required to be kept by this permit or PVSC Rules and Regulations and inspect and/or sample RCRA or other type waste or substances.
- 4.2 TRANSFER OF OWNERSHIP OR CONTROL: This Permit is not transferable. This permit shall not be reassigned, transferred or sold to a new owner, new industrial user, or a new or changed operation. The Permittee shall notify the Chief Executive Officer in writing within (14) days of any sale or transfer of the industrial operations/facility covered by this Permit, or of any sale or transfer affecting the identity of those holding a controlling interest in the Permittee. The Permittee shall also provide written notice to the succeeding owner or controller of the existence of this Sewer Connection Permit and the need to apply for a new permit. For purposes of this provision, the term "controlling interest" shall mean an interest held by a person or entity, or group of persons or entitles, who possess, directly or indirectly, the power to direct or cause the direction of the management and policies of the Permittee.

4.3 CHANGE IN DISCHARGE: Any change in the discharge, any anticipated facility expansion, production increases, or modification which will result in new, different, or increased discharges of pollutants regulated by PVSC must be reported by submission of a new Passaic Valley Sewerage Commissioners Sewer Connection Application. If such changes will not violate the effluent limitations specified in this permit, then notice only to PVSC of such changes is required. Following such notice the permit may be modified to specify and limit any pollutants not previously limited.

## 5. <u>OTHER CONDITIONS</u>

- 5.1 **PERMIT MODIFICATION:** After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its term for cause including, but not limited to the following:
  - (a) Violating any term or condition of this permit;
  - (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
  - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- 5.2 TOXIC POLLUTANTS: Notwithstanding Section A Part 2 of this permit, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307(b) of the Federal Water Pollution Control Act, its amendments, or any other subsequent law or regulation for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.

- 5.3 CIVIL AND CRIMINAL LIABILITY: A violation of the PVSC Rules and Regulations or a violation of any term or condition contained in this Sewer Connection Permit may subject the Permittee to enforcement and civil penalties of up to \$50,000 per day for each violation, and each day's continuance of the violation shall constitute a separate violation. Enforcement may include the institution of a civil action for injunctive relief and/or to recover civil penalties and/or referral to the appropriate agency for criminal enforcement.
- 5.4 STATE LAWS: Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, (33 U.S.C.A. § 1370) of the Federal Water Pollution Control Act as amended.
- 5.5 **PROPERTY RIGHTS:** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or Regulations.
- 5.6 **SEVERABILITY:** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

# 5.7 **DEFINITIONS:** The following definitions apply to this permit:

- (a) "Composite" a combination of individual samples obtained at regular intervals over the entire discharge day.
- (b) "Daily" each operating day.
- (c) "Daily Maximum Discharge" the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
- (d) "Grab" an individual sample collected in less than 15 minutes.
- (e) "Immediate Access" access without delay but in no event beyond 10 minutes from the time the request is made known to the guard or employee.
- (f) "Monthly" one day each month during a normal operating day.
- (g) "Monthly Average Value" the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during the month. Results may be expressed in mass loadings per day or concentration. The monthly average value does not apply to those parameters that are continuously monitored.
- (h) "N/A" not applicable.
- (i) "Quarterly" every three (3) months.
- (j) "Weekly" one day each week during a normal operating day.

# PASSAIC VALLEY SEWERAGE COMMISSIONERS

1819

#### SEWER CONNECTION PERMIT

PERMIT #	15405032
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(Please use the Permit Number on any correspondence with PVSC) In compliance with the provisions of the Federal Water Pollution Control Act. its amendments, the Clean Water Act and the Rules and Regulations of the Passaic Valley Sewerage Commissioners:

OF PMC, INC.

(herein, after referred to as the Permittee) is authorized to discharge from a facility located at

450 SCHUYLER AVENUE KEARNY, NEW JERSEY 07032

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein

EFFECTIVE DATE 05/27/96

EXPIRATION DATE 05/37

PASSAIC VALLEY SEWERAGE COMMISSIONERS

BY: EXECUTIVE DIRECTOR

2919

#### SECTION A

#### CONDITIONS SPECIFIC TO THIS PERMIT

#### 1. SAMPLING

- 1.1 Samples and measurements taken as required under this permit shall be representative of the monitored activity. All samples shall be taken at the monitoring points approved by the PVSC and specified in this permit. Unless otherwise specified, all samples shall be drawn by a 24 hour composite sampler acceptable to the PVSC which shall be equipped with attachments appropriate for affixing seals. During and after collection, the sample shall be maintained between 1°C 4°C.
- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
  - (a) A one quart or one liter aliquot shall be set aside by 9.00 a.m. for Outlet (s) # each operating day and immediately refrigerated. A PVSC Representative may pick up this sample during the day. Any sample not picked up by the PVSC may be discarded at 5:00 p.m. on that day.

15405031

For User Charge the Permittee shall install a 24 hour composite sampler on Outlet (s) # which shall be maintained in proper working order at all times.

1540503/

- (b) Samples that are taken for heavy metal analysis must be drawn by an automatic 24 hour composite sampler. A grab sample is not acceptable for metals compliance determination.
- (c) If the Permittee has been authorized by the PVSC to certify for non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical result exceeds the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample each succeeding month until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations Section B-103.3 Table B-2

MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS 2.

15405031-33206-015,

) and lasting through  $(05)^{2/2}$ ) the permittee is authorized to discharge from outlet number ( (a) Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flow meter readings. The sample point is located in between building # 3 and building # 16 outside the fence IN A MANHULE The Permittee shall submit volume and analysis results in accordance with PVSC User Charge Self Monitoring Report Form MR-2.

PARAMETER RALLY MAX MEASUREMENT STREQUENCY  BOD (0310) XXXXXX XXXXX Monthly 24  TSS (0530) XXXXX XXXXX Monthly 24	REPORTING
BOD (0310) XXXXXX XXXXX Month ( 24 TSS (0530) XXXXX XXXXX Month ( 24	PERIOD
TSS (0530) $XXXXX$ $XXXXX$ $Y_{0}$ $Y_{0}$ $Y_{0}$ $Y_{0}$ $Y_{0}$	Monthly
	Monthly.
Volume XXXXX XXXXX XXXXX X	Monthly
xxxxx	

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

Beginning  $(05)^{27/96}$  and lasting through  $(05)^{27/9}$  the permittee is authorized to discharge from outlet number (--)

Such discharge shall be monitored as specified below. The table lists the limitations or procedures

applicable to this outlet. The volume shall be determined from internal meter readings. Outlet to have a separate water consumption meter. Domestic waste only to be discharged from this mater:

The Permittee shall submit volume in accordance with PVSC User Charge Self Monitoring

Report Form MR-2.

EFFLUENT CHARACTERISTIC DISCHARGE LIMITA			monitoring R	Lesud Leguiremen	bud/TSS
PARAMETER			MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	XXXXX	XXXXX	N/A *	N/A	XXXXX
TSS (0530)	XXXXX	XXXXX	N/A *	N/A	XXXXX
Volume	XXXXX	XXXXX	XXXXX	XXXXX	Monthly

\* Concentrations for User Charge to be determined from Residential Strength Standards.

## 2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

(b) Beginning (07/01/97) and lasting through (05/27) the permittee is authorized to discharge from outlet number 15405031-33306-0151

(c) Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flow meter readings.

The sample point is located in between building # 3 and building # 16 outside the fence in a manhole.

The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge

Monitoring Report Form MR-1.

monetaing local limits metal

VSC LOCAL LIMITS	DISCHARGE LIMITATIONS		MONITORING RE	QUIREMENTS	
PARAMETER	mg/l MONTHLY AVERAGE	mg/l THRESHOLD VALUE	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
As	0.15	0.15	Monthly	24 hr. comp.	Monthly
Cd	0.19	0.005	Monthly	24 hr. comp	Monthly
Cu	3.02	0.092	Monthly	24 hr. comp	Monthly
Pb	0.54	0.029	Monthly	24 hr. comp	Monthly
Hg	0.080	0.001	Monthly	24 hr. comp	Monthly
Mo	XXXXX	XXXXX	Monthly	24 hr. comp	Monthly
Ni	5.9	0.02	Monthly	24 hr. comp	Monthly
Zn	1.67	1.67	Monthly	24 hr. comp	Monthly
Volume	XXXXX	XXXXX	XXXXX	XXXXX	Monthly

Compliance pg notes

6919

# 3. SCHEDULE OF COMPLIANCE

The Permittee is required to meet the following schedule of compliance:

A. A. analypio

C. B. The Permittee shall

Da, the Permittee is

E. D. 40 CFR 463.15 Subpart and 40 CFR 463.25 Subpart B.

F, E, #NJ0031313

J. F. 6/30/97 9/4/97

(35)

# SECTION B

100F 120F

70=19 80=19 100=19 120=19 120=19 150=19 150=19 190=19

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DANIEL F. BECHT, ESQ. CHAIRMAN

THOMAS J. CIFELLI VICE CHAIRMAN

DOMINIC W. CUCCINELLO RONALD W. GIACONIA JAMES KRONE RAYMOND LUCHKO FRANK ORECHIO DONALD TUCKER COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 November 29, 1994 ROBERT J. DAVENPORT EXECUTIVE DIRECTOR

PETER G. SHERIDAN CHIEF COUNSEL

> LOUIS LANZILLO CLERK

Jeffery Gerber Kleer Kast 450 Schuyler Avenue Kearny NJ 07032

#### RE: SLUG DISCHARGE CONTROL PLAN APPROVAL

Dear Mr. Gerber:

This is to inform you that we have reviewed the Slug Loading Control Questionnaire you submitted in the month of September 1994, and found that the preventive measures your company is already performing conforms to the requirements expressed under USEPA General Pretreatment Regulation 40 CFR 403 8(f)(2)(v). As a result your company will be considered to be operating under an approved Slug Discharge Control Plan, effective as of the date of this letter.

You are reminded that, if in the future there is a change in your company's ability to adequately handle a potential slug loading, PVSC must be notified so that you may be directed further. If you have any questions, please contact. Andy Caltagirone at (201) 817-5723.

Very truly yours,

Passaic Valley Sewerage Commissioners

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Robert J. Davenpórt

**Executive Director** 

RJD/sml

cc Frank P D'Ascensio

# Slug Plan Evaluation

	Company: L	look KAST			
	Permit #:	1540537	7		
	Location:	Kearny			
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1)			olan questionnaire s n is is not r		
	If a slug plan is r	not required, explo	ain	<del></del>	
2)	•		olan questionnaire s ection isis not_	• •	
		on is not required.	explain. Ann	al Site in	
3)	such as their DP the control of slu	CC/SPCC Plan or ug discharges (Ye		nse Plan, as a mec	ans for
	If yes, explain	DPCC 11	c (efecte.	) to in	que strongs
	all slug discharg	jes as defined in th n. (YesNo).	res as a viable and he PVSC Rules & Re		
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"A Division of PMC Inc."
450 Schuyler Avenue
Kearny, New Jersey 07032

500-2318

September 19, 1994

Andy Caltagirone
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, New Jersey 07105

Dear Mr. Caltagirone:

Enclosed is Kleer Kast's Slug Loadings Control Questionaire. Please review and if you have any questions, call me at (201) 997-1880.

Thank you for your attention in this matter.

Sincerely,

Jeffrey Gerber

**Regulatory Specialist** 

Jeffrey Berly

cc: T. Azzarelli

J. Fulton

TEL: (201) 997-1880

FAX: (201) 997-8071

PCF000064

TWX: 5106001641

#### **SLUG LOADINGS CONTROL OUESTIONNAIRE**

500- 23/8

#### I. GENERAL INFORMATION

Facility Name & Address: Kleer Kast A Div of PMC Inc 450 Schuyler Ave Kearny NJ 07032

Facility Contract & Phone Number: Jeffrey Gerber (201)-997-1880

Manufacture of Cellulose Acetate sheet, plastic pellet:
Type of Business: and plastic sheet

Operating Schedule (Hours per day) (Days per hour) <u>Casting - 24Hrs per day</u>, 7 days per week, blending 24 hrs/day 5 days/week, Optical-10hrs. Average Daily Flow (gallons/day) per day 4 days per week 160,000

#### II. FACILITY LAYOUT

Prepare a site diagram which shows the location of the following: (Where applicable)

- 1. Property boundaries
- 2. Entrances/Exits
- 3. Manufacturing areas
- 4. Hazardous Materials Process & Storage Areas
- 5. Waste Handling, Storage and Treatment Facilities
- 6. Loading and unloading areas
- 7. Drainage directions and destinations
- 8. Tanks Greater than 100 gallons (list capacity)
- 9. Any Diked or Contained areas designed to abate slug discharges

#### III. HAZARDOUS MATERIALS DATA

List maximum volume (at any given time) of all hazardous or toxic materials used in hazardous materials process B storage Areas" depicted on facility layout diagram.
 \* See attached form\*

#### IV. SLUG PREVENTION EQUIPMENT AND PROCEDURES

- List any equipment other than those depicted or explained above which would serve slug prevention. Speedy dry, booms, brooms, shovels absorbant sheet
- 2. List inspection and maintenance procedures of slug prevention or response equipment. All slug prevention or response equipment is inspected monthly.

#### V. EMERGENCY RESPONSE EQUIPMENT AND PROCEDURES

- 1. Alarms or communications equipment. Plantwide paging system
- 2. Spill containment/control equipment: Speedy dry, booms, brooms, shovels & absorbent sheet
- 3. Spilled material storage containers: Drums/gaylords

If there is an approved response program and associated procedures, describe the following: (check here if N/A\_\_\_\_\_). See Emergency Action Plan

- 1. Spill and Slug Assessment Procedures
- 2. Spill and Slug Cleanup Procedures
- 3. Decontamination Procedures
- 4. Procedures for Disposing or Treating Spills Materials

#### VI SLUG REPORTING

Describe:

Slug Reporting Procedures in Place at your facility— As part of the Emergency
Action Plan-notification will be made in case of a release to
 TRAINING PROGRAM the sewer system

Describe:

1. Any training aimed at Emergency Response or Spill Containment

Included as part of DPCC Plan

#### VIII MISCELLANEOUS

 Are there any safeguards in place to assure that current PVSC Rules and Regulations Prohibitions (see Section 312) will not be exceeded in Slug quantities.

Yes; there are containment dikes on all tanks greater than 2000 gallons. Metals loadings to PVSC are of acute concern as they are problematic constituents in sludge generated at the plant. In fact, there will be local limits imposed for the following metals; aresenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, and zinc. Are there any possibilities existing for slug release of these metals to the sewer? If so, what metal (s) are affected, and what will be done to prevent a slug discharge? If no possibility exists of sludge metal discharges list what was done to achieve this condition.

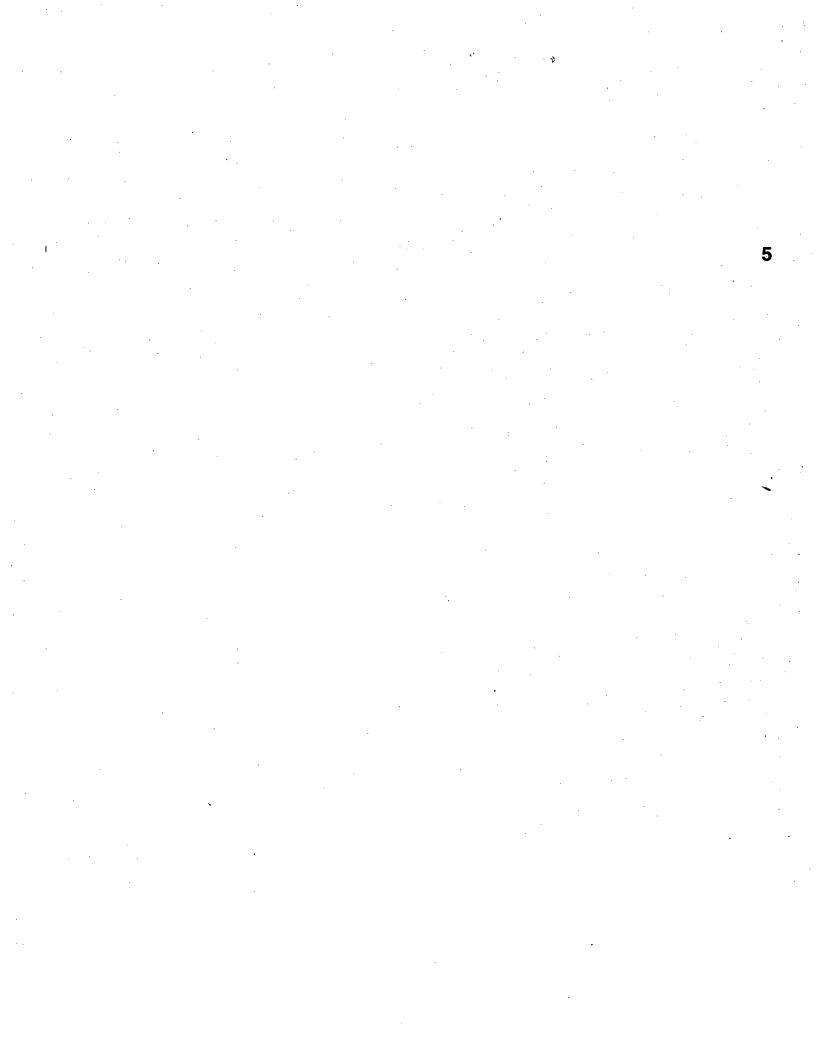
\*\*SEE BELOW\*\*

Upon receipt of this information, a determination will be made as to whether or not a formal Slug Control Plan for your facility will be required. Thank you for your time in this matter. Kleer Kast uses chromium, cadmium and mercury in its operations. These metals are found in our pigments which are stored in drums in our pigment room (Building 20C). There are no floor drains in this part of the building. Therefore, the chance of a slug release is minimal.

## **SLUG DISCHARGE QUESTIONAIRRE**

III. HAZARDOUS MATERIA (MAXIMU	STORAGE AREAS BUILDING #S	
1. ACETONE	193,000	16
2. DIETHYL PHTHALATE	295,500	7, 16
3. DIMETHYL PHTHALATE	23,000	7, 16
4. DIBUTYL PHTHALATE	24,500	7
5. OIL	1,000	20
6. SODIUM HYDROXIDE	1,000	3, 16
7. MORPHOLINE	300	3, 16

ACETONE, DIETHYL PHTHALATE AND DIMETHYL PHTHALATE ARE ALSO STORED IN ABOVEGROUND TANKS, WHICH ARE LOCATED APPROXIMATELY 50 FEET EAST OF BUILDING 16.



# Industrial User Charge/Pretreatment Inspection Report

I. TY	PE OF INSPECTION DATE OF INSPECTION $5/25/94$	: .
a	User Charge	•
b	Categorical Determination	
c	BMR Verification	
d	Other Annual Site Ansp.	
<b>I</b> 1.	GENERAL INFORMATION	
a	Facility Name: Kleen Kast Div of P.M.C. She	
ь	Parent Company Or Affiliation: Div of P. M.C. die.	
c	Facility Mailing Address: 450 Schuyler ave	
d	FACILITY STREET ADDRESS:	
¢.	YEAR PRESENT OPERATIONS BEGAN AT THIS FACILITY: 1971	sen
	Number of employees 40 Hour of Operations 24 lbs / day 70 kg	//
f.	Authorized Representative: Jeff Herber	
g	Facility Contact:	
	Title or Position: Environmental Safety Manager	
	Telephone No.: 997-1880 EXT. 3024	
ł	1. Facility Personnel Present At Inspection	

# II. PRODUCT OF SERVICE INFORMATION:

TV.

a. Na	rative Description Of The Primary Manufacturing Or Service Activity	
	The Facility (Note If Batch. Continuous, Seasonal):	
Cos	ting Process - manufacture collulose Acetate Steets	
Bles	ding leocess - manufacture plasti pellets	
	ptial horer - Manufacture plastic steets	
b.	Principal Raw Materials Used	
	cellulose A cetate, A cetone, Diethylphthalat	₹,
	Dinethylphthalate, Dibutylphthalate	•
c	Principal Product Produced:	
	cellulose Acetate sheets	
	plastii pelleti	
	plasti skeeti	
d.	List All Additional Activities And Specific Processes Occurring At This Facility	
•	(E.G.Electroplating/Metal Finishing; Identify Specific Processes, Laboratory,	
	Research, Etc.):	
	2 labr Q.C. + MD	
WAI	ER SOURCES and USE	
a	Raw Water Sources	
	Public Water Supply Specify Cenny	
	Private Well (S) 2 (metered)	
	Surface Water Specify	
	·	

	U	Ale Raw Water Sources Metered Of the Other Means Available for Flow
·	Measu	irement? Specify   city meter influent
		rement? Specify   city meter sofluent
		· Y sanitary meter
		Y sanitary meter "  I flow meter on effluent
	c	Describe Any Water Treatment Or Conditioning Processes Utilized:
		•
		water treated for boilen (see allacked 4505
		on boiler chemicals)
	d	Average Daily Water Use (Specify Source Of Data):
		160,000
		buy month of find water meters
	e	Has The Company Provided A Water Flow Schematic? Yes No
		If Yes Attach Sketch. If No, Prepare Sketch And Attach.
V EN	VIRO	NMENTAL CONTROLS, PERMITS/REGISTRATIONS HELD
<b>a</b> .	Facility	y held permits/registrations
	Does ti	he company have a NJPDES Permit? Yes No specify type
		PDES Permit Number 603/3133
		rameters monitored in the comments section of this report.
		he company have any Air Pollution Permits? Yes No
	SIE IL	Number

	s the company subject to RCKA? Yes A NoNJDEPE to Number N 1 100 5 6 108 0 88
(	Check whether the company is a Generator StorageDisposalor
•	Treatment Facility
:	Note the length of time the material is stored 90 days (Must not be stored longer than 90 days)
1	s the company subject to ECRA? Yes No
ļ	Does the company have an SPCC Plan? Yes No Attach a copy to this report only if it
ı	nas changed or been updated since the last submission.
1	Does the company have an Emergency Response Plan? Yes No Attach a copy to this
1	report only if it has changed or been updated since the last submission.
,	Does the company have a groundwater discharge? Yes No List parameters monitored
	and method of treatment in the comments section of this report.
1	List any other permits the company might have or specify (none)
-	
ΑI	R POLLUTION RELATED
	R POLLUTION RELATED  Are there any process tanks greater than 100 gallons? Yes No
a	
<b>a</b>	Are there any process tanks greater than 100 gallons? Yes No
a b. c.	Are there any process tanks greater than 100 gallons? Yes No  Are there any heated surface cleaners (e.g. vapor degreasers, etc.)? Yes No  Does the facility have any exhaust system in conjunction with their process operations (e.g. from plating tanks, painting rooms, vapor degreasers, etc.)? Yes No
a b. c.	Are there any process tanks greater than 100 gallons? Yes No  Are there any heated surface cleaners (e.g. vapor degreasers, etc.)? Yes No  Does the facility have any exhaust system in conjunction with their process operations (e.g. from
a. , b. c.	Are there any process tanks greater than 100 gallons? Yes No  Are there any heated surface cleaners (e.g. vapor degreasers, etc.)? Yes No  Does the facility have any exhaust system in conjunction with their process operations (e.g. from plating tanks, painting rooms, vapor degreasers, etc.)? Yes No

If yes, is the system registered? Yes No Describe:
If yes, is the system registered? Yes No Describe:  4 Dust collector / 7 precipitators on site
WASTEWATER INFORMATION
Applicable Standards
Categorical Standards (List applicable subparts) YO CFR 463.15 SPA
463,25 SPB, 403
State General Protreatment Rules + Negr
State General Protreatment Rules + Negr
b For BMR. Compliance Report Verification or Annual Site Inspection, has company provided a
process schematic and wastewater flow diagram? Yes No
If not, prepare sketch and attach to this report. Include the location of the pretreatment and user
charge sample points and identify each by permit number.
c Attach a narrative description of where the pretreatment and user charge sample points are located
to this report.
d Representative Sampling Point (s)
(1) Are the sampling point (s) utilized representative of the operations they are intended to
monitor? Yes No If not, list the deficiencies in the comments section of the
report.
e Storm Water Discharges
Does the company discharge any storm water into the sanitary sewer? Yes No X
If yes, are there any other alternatives for disposing of this water such as to a storm sewer, a
brook or stream? If yes, explain why the storm water is being discharged into the sanitary
sewer Company las NJPDES Remit
' (

ЛП

	Specify service
	flow modes on effluent
	. 0
	List Quantity of process wastewater discharged in gallons per day:
	. 152,000 spd
<b>(3</b> )	If accessory is sufficient flow, does obtained to allow use of the combined wastestroom formula?
	If necessary, is sufficient flow data obtained to allow use of the combined wastestream formula?  es No N/A
Y	•
	Comments
, <b>4</b> \	Is a certified lab used for all official analyses? Yes No
4)	is a certified lab used for all omcial analyses? YesXNo
	Lab name, location, and NJDEPE Numbers
	- Accredited Labs
	NUT ID # 12486
(5)	Does the user have a plan to control Slug Discharges? Yes No If yes, attach a
	copy of plan. If No, evaluate whether the user needs a plan to control "Slug Discharges". Attach
	a narrative onto the site inspection report
	- Mariante onto die ale alspection report
5.	ee Comments

#### VIII PRETREATMENT FACILITIES

a	Is any treatment performed on the wastewater prior to discharge to the public sewer?
	Yes No
	Describe/Comments:
	Carbon adsorption for acetone recovery
	Carbon adsorption for acetone recovery water and Diethylphthalate (oil) separator
b	Is any further treatment proposed to be utilized on the wastewater prior to discharge to the
	public sewer? Yes No N/A
Comme	nts:
C.	Is the facility operating under a compliance schedule to install treatment or otherwise attain
	compliance with applicable standards?
	Yes No N/A If no, is facility in compliance?
	YesXNoComments:
d.	Does this company generate residuals as a result of its <u>Pretreatment</u> operations?
	Yes No If yes, note what the residual are, the quantity generated per month.
	how they are stored and how they are disposed of:
4	Acetone - recucled
	Spend litter (Acetone) - 4 55 gals/ month manifester
	The same of the sa

Note the name(s) of the licensed boiler operator? Yes No  Note the name(s) of the licensed boiler operator(s) along with the type of license they possess (black seal, blue seal, etc.)	e Boi	der Operation
possess (black seal, blue seal, etc.) gold seal  Learne H 000 108 90 Certal E Marette  Is the boiler water treated prior to use? Yes No If yes, what sort of treatment is performed? Explain this in the comments section of this report.  Is the condensate return from the boiler sewered? Yes No If yes, explain what treatment if any is performed on this discharge in the comments section of this report  (2) Does the company have a licensed Industrial Wastewater Treatment Operator?  Yes No If yes, note Class.  WASTE  a. Does this company generate any waste process materials (spent solvents, spent acids, etc)?  Yes No If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of.  \[ \begin{align*} \text{Nonth} & Nonth	;· ·	(1) Does the company have a licensed boiler operator? Yes No
Is the boiler water treated prior to use? Yes No If yes, what sort of treatment performed? Explain this in the comments section of this report.  Is the condensate return from the boiler sewered? Yes No If yes, explain what treatment if any is performed on this discharge in the comments section of this report  (2) Does the company have a licensed Industrial Wastewater Treatment Operator?  Yes No If yes, note Class		Note the name(s) of the licensed boiler operator(s) along with the type of license they
Is the boiler water treated prior to use? Yes No If yes, what sort of treatment performed? Explain this in the comments section of this report.  Is the condensate return from the boiler sewered? Yes No If yes, explain what treatment if any is performed on this discharge in the comments section of this report  (2) Does the company have a licensed Industrial Wastewater Treatment Operator?  Yes No If yes, note Class No If yes, note what these materials (spent solvents, spent acids, etc)?  Yes No If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of		possess (black seal, blue seal, etc.) gold seal
performed? Explain this in the comments section of this report.  Is the condensate return from the boiler sewered? Yes No If yes, explain what treatment if any is performed on this discharge in the comments section of this report  (2) Does the company have a licensed Industrial Wastewater Treatment Operator?  Yes No If yes, note Class  WASTE  a. Does this company generate any waste process materials (spent solvents, spent acids, etc)?  Yes No If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of		
Is the condensate return from the boiler sewered? Yes No If yes, explain what treatment if any is performed on this discharge in the comments section of this report  (2) Does the company have a licensed Industrial Wastewater Treatment Operator?  Yes No If yes, note Class	*	Is the boiler water treated prior to use? Yes No If yes, what sort of treatment is
treatment if any is performed on this discharge in the comments section of this report  (2) Does the company have a licensed Industrial Wastewater Treatment Operator?  YesNo If yes, note Class		performed? Explain this in the comments section of this report.
(2) Does the company have a licensed Industrial Wastewater Treatment Operator?  YesNo If yes, note Class		Is the condensate return from the boiler sewered? Yes No If yes, explain what
YesNo If yes, note Class		treatment if any is performed on this discharge in the comments section of this report
Does this company generate any waste process materials (spent solvents, spent acids, etc)?  YesNo If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of		(2) Does the company have a licensed Industrial Wastewater Treatment Operator?
a. Does this company generate any waste process materials (spent solvents, spent acids, etc)?  YesNoIf yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of		Yes No If yes, note Class
YesNo If yes, note what these materials are, the quantity generated per month, how they are stored and how they are disposed of	W.	STE
b Does this company generate residuals as a result of its Process operations?  YesNo If yes, note what the residual are, the quantity generated per month.	<b>a</b> .	Does this company generate any waste process materials (spent solvents, spent acids, etc)?
b Does this company generate residuals as a result of its Process operations?  YesNo If yes, note what the residual are, the quantity generated per month.		Yes No If yes, note what these materials are, the quantity generated per
Waste pil (55 gal /month -) manifested hay worte as  b. Does this company generate residuals as a result of its Process operations?  YesNo If yes, note what the residual are, the quantity generated per month.		
b. Does this company generate residuals as a result of its <u>Process</u> operations?  YesNoIf yes, note what the residual are, the quantity generated per month,		
YesNoIf yes, note what the residual are, the quantity generated per month,		Waste oil (55 gal /month -) manifester / hoy worte are
YesNo If yes, note what the residual are, the quantity generated per month,		
	b.	Does this company generate residuals as a result of its <u>Process</u> operations?
		YesNo If yes, note what the residual are, the quantity generated per month.
		and the state of t

	ve designated or centralized area (s)	•
waste?		
YesNo	N/A (No hazardous waste g	enerated). If yes, what does the
company do with their	hazardous waste?	
mo	floor drains in	orea
•		
TOXIC ORGANICS MA	NAGEMENT	
TOXIC ORGANICS MA		Refer to List of Categorical
a. Are categorical organi	ics used on site? YesNo	Refer to List of Categorical
	ics used on site? YesNoNo	
a. Are categorical organi	ics used on site? YesNo	Refer to List of Categorical  How Used?
a. Are categorical organics attached to the	ics used on site? YesNoNo	
a. Are categorical organics attached to the	ics used on site? YesNoNo	
a. Are categorical organics attached to the	ics used on site? YesNoNo	

And Andrews the Control of the Andrews Andrews and the Section of the Andrews Andrews Andrews Andrews Andrews

	Electroplater or a Metal Finisher, ha	•
Management Plan Option	YesNoN/A	
f yes, has a TTO Manage	ment Plan been submitted to PVSC	for approval?
res NoN/A	$\overline{X}$	
f yes, review plan to see i	f it is still applicable Write commer	nts below:
_	organics used on-site in more than l	aboratory quantities:
Ye <u>s</u> No 🔀 If ye	<b>:</b> S,	
Lype	How Much?	How Used?
		****
		<del></del>
Storage		
(1) Are the raw organics	stored in an area appropriately safe	guarded against spills reaching the
sewer: YesNo		
Comments:		
	W A	
	(	
(2) Are the spent or	ganics in an area appropriately safeg	guarded against spills reaching the
sewer? Yes	No N/A	
Comments:	1	
·	4 4	
		•

Ha	ndling Procedures
(1)	Has the company developed adequate handling procedures to prevent organics or any other
	possibly hazardous materials used during process operations from reaching the sewer in
	amounts exceeding federal standards or which could cause problems to the PVSC treatment
	works? Yes No If yes, explain deficiencies
(2)	Are company personnel actively implementing these procedures? Yes No
	For either yes or no, explain how we know
	Training / Supervision
(3)	Does the company maintain training records? Yes No If yes, what is the
	frequency of training
	Comments:
d H	ow are the organics used on site disposed of?
Co	omments:
_	
If	licensed hauler used, which one? <u>Lionetti</u> Oil lecovery NJ D084044064
	See attacked
	manifeste

Comments	
Laidlaw Environental	
MDD 980554653	
See attocked swamper	
INSTRUMENTATION	
Effluent Flow Meter (Specify type and reading, Gal., Cubic Feet) STovem $ imes$ 20	0
Effluent Flow Meter Recorder (Note type, include decimal place) Galc	
Are Flow Meters Non-resettable? Yes No	
Well Meter? Yes No	
Describe where Meters are Located	
See diagram	
How often are the effluent or flow meters calibrated? monthly. When is the	ne
calibration done	
Are there any internal meters? Yes No	
Describe where Maters are leasted Comments.	
See diagram	
pH Meter? YesNoX	
pH Recorder? YesNoNote Reading	
LEL Meter? YesNoNote Reading	
pH Paper Reading at Effluent Outlet(s)	
printing at Emborn Outlet(3).	

# SA

Does Company have a composite sampler? Yes\_\_\_\_\_No\_\_\_\_

Is Sampler Refrigerated? YesNo  If Sampler is operating, note temperature of sample	4°C	eji e di Albert
Can Sampier be sealed? YesNo	N/A	•
Is Sample Point accessible? YesNo	N/A	
Does sample point (s) match the one (s) stated in the YesNoN/A		
List the types of samples required at this company		
Parameter for 463	403	
Are any analytical instruments recommended for this Which ones?	s company? Yes	No_X
none at this	Line	

# MI Inspector(s)

ame Mile Carino
istle Inspector T
ignature Hill Ca
ame
itle
ignature:
repared By Mufael Couro
eviewed By:RQ
ate Reviewed Complete: \$\frac{5}{26} \frac{94}{}
ignature:

Revised 9/92

ACT6-17-1.ACT

(010788-0114 -CD000152-0224 CHEMICAL NAME & SYNONYMS

PH POWER

CHEMICAL FAMILY
AQUEOUS CAUSTIC BOILER ADDITIVE

MANUFACTURERS NAME:
NATIONAL CHEMSEARCH DIV. DF NCH CORP. ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015 PREPARED BY: PRODUCT CODE NUMBER | EMERGENCY TELEPHONE NUMBER KELLY K. RAHN/T.S.CHEMIST | PRODUCT CODE NUMBER | 214-438-1381 SECTION II- HAZARDOUS INGREDIENTS CHEMICAL NAME (INGREDIENTS) | HAZARD | TLV+ | PEL+ | CAS# SODIUM HYDROXIDE CORROSIVE 2MG/M3-C 1310-73-2 SECTION IIA - NON-HAZARDOUS INGREDIENTS S INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE ry # 409363-5241P SECTION III - PHYSICAL DATA PH POWER (CONTINUED) SECTION III - PHYSICAL DATA BOILING PT.(FAHRENHEIT) | 271.00 | SPEC GRAVITY (H20=1) :1.45 • 15.6 C

VAPOR PRESSURE (MM HG). | 39 • 60 | COLDR | RED

VAPOR DENSITY (AIR=1) | N/A | ODOR | ODORLESS

PH • 100% | 14 | CLARITY | CLEAR

PERCENT, VOLLATILE | 55 | EVAPORATION RATE | N/A |
SOLUBILITY IN WATER | COMPLETE

VISCOSITY | 3.7 CENTIPOISES VISCOSITY 3.7 CENTIPOISES SECTION IV - FIRE AND EXPLOSION HAZARD UNUSUAL FIRE & EXPLOSION MAZARDS NFPA HAZARD RATING (O=INSIGNIFICANT:1=SLIGHT:2=MODERATE:3=HIGH:4=EXTREME): 1 <--HEALTH O <--FLAMMABILITY O <--REACTIVITY <--SPECIAL

SECTION V - HEALTH HAZARD DATA THRESHOLD LIMIT VALUE : 2.0MG/M3 EFFECTS OF OVEREXPOSURE SPRAY MIST IS STRONGLY IRRITATING TO THE UPPER RESPIRATORY TRACT WITH

PAGE : 03

SNEEZING. COU	
IRRITATION AND BURNS. EYE CO FOLLOWED BY TI	HING AND DISCOMPORT. SKIN CONTACT IS NOTED BY REDDENING.  DISCOMPORT FOLLOWED BY TISSUE DESTRUCTION AND SEVERE NATACT PRODUCES TEARING, IRRITATION AND DISCOMPORT SSUE DESTRUCTION AND SEVERE BURNS. INGESTION PRODUCES TION CORROSION AND SUBSEQUENT PERFORATION OF THE STOMACH. CHERNIC (LINE TERM EXPOSSIBLE)
AIRBORNE SPRAY	STOMACH CHRONIC - (LONG TERM EXPOSURE)  MIST MAY DAMAGE THE RESPIRATORY TRACT AND LUNG TISSUE COULD PRODUCE CHEMICAL PREUMONIA, DEPENDING ON THE SEVERITY
OF EXPOSURE. OF THE SKIN OF WITH DEEP ULCT LEAD TO EVE T INGESTION RESU PERFORATION OF	STOMACH.  - CHRONIC - (LONG TERM EXPOSURE)  (MIST MAY DAMAGE THE RESPIRATORY TRACT AND LUNG TISSUE  COULD PRODUCE CHEMICAL PNEUMONIA. DEPENDING ON THE SEVERITY  CHRONIC LOCAL EFFECTS ARE AREAS OF SUPERFICIAL DESTRUCTION  PORT PRIMARY IRRITANT DERMATITIS. SEVERE BURNS MAY RESULT  RATION AND ULTIMATE SCARRING. CHRONIC EYE EXPOSURE CAN  SSUE DESTRUCTION. SCARRING AND BLINDNESS. CHRONIC  LITS IN SEVERE BURNS AND COMPLETE TISSUE DESTRUCTION WITH  THE MUCOUS MEMBRANES OF THE MOUTH. THROAT, ESOPHAGUS AND
31022011.	OF ENTRY: X< INMALATION X< INGESTION X< ABSORPTION
OBJECT IS TO S CONTAMINATED A RESPIRATION SH AVAILABLE. SE	RST AID PROCEDURES ION: ION: EEK MEDICAL ATTENTION IMMEDIATELY. GET PERSON OUT OF REA TO FRESH AIR. IF BREATHING HAS STOPPED, ARTIFICIAL ROULD BE STARTED. DXYGEN MAY BE ADMINISTERED. IF READILY EEK MEDICAL ATTENTION IMMEDIATELY.
	STACT:  USH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15  IG EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE EYE  ING EYES WITHIN 1 MINUTE IS ESSENTIAL TO ACHIEVE MAXIMUM  SEEK MEDICAL ATTENTION IMMEDIATELY.
	NTACT: SH CONTAMINATED SKIN WITH PLENTY OF WATER. THIS MAY BE A RINSE WITH VINEGAR OR DILUTE ACETIC ACID (3% SOLUTION) REMOVE CONTAMINATED CLOTHING AND FOOTWEAR AND WASH REMOVE. DISCARD FOOTWEAR WHICH GANNOT BE DECONTAMINATED. TITENTION IMMEDIATELY.
	ON: DD NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. GIVE SEVERAL GLASSES OF MILK. NEVER GIVE ANYTHING BY ICONSCIDUS PERSON. SEEK MEDICAL ATTENTION IMMEDIATELY.  D PHYSICIAN:
	SECTION VI - TOXICITY INFORMATION
PRODUCT CONT.	NC CHEMICAL LICTED AS CARCINOPEN OR POTENTIAL CARCINOPEN BY
	NS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:  NTP <yes <yes="" acgih="" dsha="" other="" td="" x<nd="" x<nd<=""></yes>
(CONTINUED)	PH POWER  SECTION VI - TOXICITY INFORMATION PAGE : 04
	SECTION VI - TOXICITY INFORMATION PAGE : 04
	SECTION VI - TOXICITY INFORMATION PAGE : 04
SODIUM HYDROXI IPR-MUS LD50 4 ORL-RBT - LD50	SECTION VI - TOXICITY INFORMATION PAGE : 04  DE OMG/KG
SODIUM HYDROXI IPR-MUS LDSO 4 ORL-RBT - LDSO	SECTION VI - TOXICITY INFORMATION PAGE : 04  DE OMG/KG
SDDIUM HYDROXI IPR-MUS LD50  RL-RBT - LD50  STABILITY  INCOMPATIBILIT STRONG ACIDS, TIN, ZINC AND	SECTION VI - TOXICITY INFORMATION PAGE : 04  DE OMG/KG
SODIUM HYDROXI IPR-MUS LD50 DRL-RBT - LD50 STABILITY INCOMPATIBILIT STRONG ACIDS, TIN, ZINC AND HAZARDDUS DECO	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG
SODIUM HYDROXI IPR-MUS LD50  CRL-RET - L050  STABILITY  INCOMPATIBILIT STRONG ACIDS TIN. ZINC AND HAZARDOUS DECO	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG
SODIUM HYDROXI IPR-MUS LD50  ORL-RET - L050  STABILITY  INCOMPATIBILITY STRONG ACIDS TIN INC AND HAZARDOUS DECO HAZARDOUS POLYMERIZATION	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG
SODIUM HYDROXI IPR-MUS LD50  ORL-RET - L050  STABILITY  INCOMPATIBILITY STRONG ACIDS TIN ZINC AND HAZARDOUS DECO HAZARDOUS POLYMERIZATION	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG
STABILITY  INCOMPATIBILITY  INCOMPATIBILITY  INCOMPATIBILITY  INCOMPATIBILITY  INCOMPATIBILITY  STRONG ACIDS  TIN, ZINC AND  HAZARDOUS DECO  HAZARDOUS  POLYMERIZATION  STEPS TAKEN IN  STOP LEAKS. CM  WITH WATER FOL  CONTAINER AND  WASTE DISPOSAL  PERSONS PERSONS  WASTE DISPOSAL  MASTE DISPOSAL  DISPOSAL METHO	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG 4.  SECTION VII - REACTIVITY DATA    X <stable< td=""></stable<>
SODIUM HYDROXI IPR-MUS LDSO  ORL-RET - LOSC  STABILITY  INCOMPATIBILITY STRONG ACIDS TIN, ZINC AND HAZARDOUS DECO  MAZARDOUS DECO  POLYMERIZATION  STEPS TAKEN IN STOP LEAKS: CM WITH WATER FOL CONTAINER FOL CONTAINER FOL CONTAINER FOL AMATER DISPOSAL PERSONS PERS	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG
STABILITY  INCOMPATIBILITY  INCOMPATIBILITY  INCOMPATIBILITY  INCOMPATIBILITY  INCOMPATIBILITY  STRONG ACIDS  TIN, ZINC AND  HAZARDOUS DECO  HAZARDOUS  POLYMERIZATION  STEPS TAKEN IN  STOP LEAKS. CM  WITH WATER FOL  CONTAINER AND  WASTE DISPOSAL  PERSONS PERSONS  WASTE DISPOSAL  MASTE DISPOSAL  DISPOSAL METHO	SECTION VI - TOXICITY INFORMATION PAGE: 04  DE OMG/KG 4.  SECTION VII - REACTIVITY DATA    X <stable< td=""></stable<>

REQUIRED VENTILATION LDCAL EXHAUST VENTILATION IS ADEQUATE.	
RESPIRATORY PROTECTION USE NIOSH APPROVED RESPIRATOR OR AIR-SUPPLIED	RESPIRATORS FOR CLEANING
PROTECTIVE GLOVES PVC, NEOPRENE OR BUTYL RUBBER.	
EYE PROTECTION GOGGLES OR FACE SHIELD	
OTHER PROTECTION	
GENERAL WORK CLOTHS AND PROTECTIVE SHOES.	
SECTION X - STORAGE	: AND HANDLING INFORMATION
STORAGE TEMPERATURE INDOOR HEATE 100 F MAX 35 F MIN X ABOVE	D <sub>35</sub> FREFRIGERATED OUTDOOR
PRECAUTIONS TO BE TAKEN IN HANDLING & STORING STORE AT MODERATE TEMPERATURES. AVOID SKIN OR EYE CONTACT.	
ATOM DREATHING TAFOR.	
OTHER PRECAUTIONS KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING PRODUCT.	
SECTION XI - REGULATO	RY INFORMATION
CHEMICAL NAME C.A.S. NUMBER	UPPER % LIMIT
THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO 313 OF TITLE III OF THE SUPERFUND AMENDMENTS A 1986 AND 40 CF PART 372.  IF US (USE EXEMPTION) APPEARS UNDER UPPER X FROM NOTIFICATION BECAUSE THE PRODUCT IS USED JANITORIAL WORK OR THE PRODUCT IS USED AND LA MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDE LABELED FOR MAINTAINING MOTOR VEHICLES.	THE REPORTING REQUIREMENTS OF NO REAUTHORIZATION ACT OF
FROM NOTIFICATION SECAUSE THE PRODUCT IS USED AN JANITORIAL WORK, OR THE PRODUCT IS USED AND LA MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDE	AND LABELED FOR ROUTINE BELED FOR FACILITY GROUNDS S), OR THE PRODUCT IS USED AND
LABELED FOR MAINTAINING MOTOR VEHICLES.	
CUPMOE	ARCH 200
(CONTINUED) SECTION XI - REGULATO	ARCH 300 RY INFORMATION PAGE : 06
WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CALIFORNIA TO CAUSE (1) CANCER OR (2) BIRTH DE NONE	G5 HEMICAL(S) KNOWN TO THE STATE OF FECTS OR OTHER REPRODUCTIVE HARM:
SECTION XII - TRANSPORTATION	* (FOR FUTURE USE)
ADDI TOADI E DECUI ATTONE	
APPLICABLE REGULATIONS <49 CFR <imcd 6="" <-="" <tariff="" d="" name<="" shipping="" td=""><td>-IATA <military (afr="" 71-4)<="" air="" td=""></military></td></imcd>	-IATA <military (afr="" 71-4)<="" air="" td=""></military>
HAZARD CLASS	ID NUMBER   REPORT QTY
LABELS	LIMITED OTY
UNIT CONTAINER	; LIMITED QTY
UNIT CONTAINER	; LIMITED QTY
UNIT CONTAINER  DOT SPS CONTAINER   NE	T EXPLOSIVE WT.
UNIT CONTAINER  DOT SPS CONTAINER   NE	; LIMITED QTY
UNIT CONTAINER  DOT SPS CONTAINER   NE  AEROSOL PROPELLANT(S)  SECTION XIII - REFER	; LIMITED QTY  T EXPLOSIVE WT.
UNIT CONTAINER  DOT SPS CONTAINER   NE  AEROSOL PROPELLANT(S)  SECTION XIII - REFER	T EXPLOSIVE WT.  RENCES  ROSS AND PHYSICAL AGENTS AND

化工作的 医格兰氏性性皮肤皮肤皮肤

CHEMSEARCH 300

(CONTINUED)

SECTION XIII - REFERENCES

PAGE : 07

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CHEMSEARCH DIV. OF NCH CORP.

FOR PERSONAL INJURY OR PROPERTY DAMAGE CAUSED BY THE USE STORAGE OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE PRODUCT LABEL USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.

```
SECTION V - HEALTH HAZARD DATA
EFFECTS OF OVEREXPOSURE

INHALATION: VAPDRS AND MISTS ARE IRLITATING AND CAUSE MASAL DISCHARGE COUGHING AND DISCOMPORT OR PAIN IN THE NOSE, THROAT AND CHEST LEADING TO BRONCHOSPASM OR PNEUMONITIS.

EYES: VAPORS OR MISTS MAY CAUSE IRRITATION SEEN AS TEARING, BLINKING, REDNESS, PAIN AND POSSIBLE CHEMICAL BURNS WITH TEMPORARY HAZY VISION. SKIN: LIOUID CONTACT CAUSES SEVERE IRRITATION WITH PAIN, REDNESS AND SWELLING CAUSING CHEMICAL BURNS, BLISTERS AND POSSIBLE TISSUE DAMAGE AND SWELLINGESTION: CAUSES BURNING OF THE MOUTH, THROAT AND STOMACH WITH ABDOMINAL AND CHEST PAIN, NAUSEA, VOMITING DIARRHEA, THIRST WEAKNESS, COLLAPSE AND CENTRAL NERVOUS SYSTEM EFFECTS. ASPIRATION DURING SWALLOWING OR VOMITING CAN LEAD TO LUNG DAMAGE.

CHRONIC CHORD SKIN OR EYE CONTACT CAN CAUSE TISSUE DAMAGE
TARGET ORGANS: EYES, SKIN, LUNGS, RESPIRATION JORGANGE. GASTROINTESTINAL TRACT AND CENTRAL NERVOUS SYSTEM.

ENSITIVE TO SODIUM SULFITE. PERSONS WITH PULMONARY DISEASE SHOULD AVOID CONTACT.
 PRIMARY ROUTE OF ENTRY: X<-- INHALATION <-- INGESTION <-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES
INHALATION :
REMOVE FROM THE AREA TO FRESH AIR. IF NOT BREATHING, CLEAR THE AIRWAY
AND START MOUTH-TO-MOUTH ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL
ATTENTION.
 EYE CONTACT:
IMMEDIATELY RINGE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND
CONTINUE FLUSHING THE EYES FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART
TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER.
GET IMMEDIATE MEDICAL ATTENTION.

WASH AFKIN CONTACT:
WASH AFFECTED AREAS WITH LARGE QUANTITIES OF SOAP AND WATER FOR 15 MINUTES.
REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING AND SHOES BEFORE REUSE.
 GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN, GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

NOTES TO PHYSICIAN:
ASPIRATION OF THIS MATERIAL DURING VOMITING OR SWALLOWING MAY CAUSE LUNG DAMAGE AND CHEMICAL PNEUMONITIS.
                                                                                                  SECTION VI - TOXICITY INFORMATION
                      <--YES NTP <--YES OSHA <--YES ACGIH <--YES OTHER <--YES X<--NO X<--NO X<--NO X<--NO X
                                                                                                                                              CHEMSEARCH 300
                                                                                             SECTION VI - TOXICITY INFORMATION PAGE : 04
 (CONTINUED)
MORPHOLINE
ORL-RAT LD50: 1050MG/KG 3.
DML-RBT LD50: 500MG/KG 3.
IHL-RAT LD50: 500MG/KG 3.
IHL-RAT LD50: 12, 000 PPM, 8 HRS 3.
PROLONGED AND REPEATED INHALATION OF VAPORS DID NOT CAUSE CANCER OR ORGAN DAMAGE IN RATS EXPOSED FOR UP TO TWO YEARS. 3.
SDDIUM SULFITE
ORL-RAT LD50: >5000 MG/KG 3.
DML-RBT LD50: >2000 MG/KG 3.
SKN-RBT: MILD IRRITANT 3.
EYE-RBT: NON IRRITANT 3.
EYE-RBT: NON IRRITANT 3.
ORL-TOXICITY
DOSES OF 4 TD 6 GRAMS PER DAY OR 3.5 MG/KG PRODUCED NAUSEA, VOMITING, ABDOMINAL PAIN, GASTRIC IRRITATION AND POSSIBLE GASTRIC HEMMORAGE. 4.
                                                                                                 SECTION VII - REACTIVITY DATA
                                                  |X<--STABLE <--UNSTABL | CONDITIONS TO AVOID
HEAT, SPARKS OR OPEN FLAME.
 INCOMPATIBILITY (MATERIALS TO AVOID) STRONG DXIDIZERS, ACIDS OR NITRATES.
 HAZARDOUS DECOMPOSITION PRODUCTS
 AMMONIA, CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES AND KETONES.

HAZARDOUS X <- DECUR <- DECUR CONDITIONS TO AVOID
                                                                                               SECTION VIII - SPILL OR LEAK PROCEDURES
STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
VENTILATE THE AREA. AVOID BREATHING THE VAPORS.
CONTAIN THE SPILL AND PICK UP WITH ABSORBANT MATERIAL. WEAR SELF-CONTAINED
BREATHING APPARATUS AND PROTECTIVE CLOTHING. PLACE ABSORBANT MATERIAL IN
A CLOSED, LABELED CONTAINER AND STORE IN A SAFE PLACE TO AWAIT PROPER
DISPOSAL.
WASTE DISPOSAL METHOD
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
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PH POWER

(CONTINUED)

SECTION, XI

PAGE - 07

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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS	TRADE NAME & SYNDNYMS 5 in 1 fuel oil additive
CHEMICAL FAMILY FUEL OIL ADDITIVE	FORMULA X <mixture< td=""></mixture<>
MANUFACTURERS NAME: NATIONAL CHEMSEARCH DIV.	DF NCH CORP.
ADDRESS (NUMBER, STREET, BOX 152170 IRVING, TEXAS 75015	CITY, STATE & ZIP CODE)
PREPARED BY: M DICKSON/CHEMIST	PRODUCT CODE NUMBER EMERGENCY TELEPHONE NUMBER 0024 214-438-1381

#### SECTION 11- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (ING	REDIENTS)	HAZARD	† TLV	PEL	CAS#
HEAVY AROMATIC NAPI	1THA >50%	SKIN IRR.	NA 6.	100PPM 7.	8030-30-6
O-DICHLOROBENZENE	5-10%	TOX/COMB	50PPM-(C)6	50PPM-(C)7	95-50-1
HEXYLENE GLYCOL	1-5%	SKIN IRR.	25 PPM 6.	25 PPM(C)7	107-41-5
SODIUM PETROLEUM SU	JLFONATES-10	OIL MIST	5MG/M3 1.	5MG/M3 1.	8012-95-1
NAPHTHALENE	5-10%	COMB/TOX	10PPM 6.	10PPM 7.	91-20-3
2-BUTOXYETHANOL	10-15%	IRRITANT	25PPM 6.	25PPM 7.	111-76-2
P-DICHLOROBENZENE	5-10%	TOX/CARC 3	75PPM 6.	75PPM 7.	106-46-7

#### 5 IN 1 FUEL DIL ADDITIVE

SECTION III - PHYSICAL DATA

PAGE : 02

		<b></b>		. <b></b>
BOILING PT. (FAHRENHEIT)	320	SPEC GRAV	'ITY (H2O=1)	:.975
VAPOR PRESSURE (MM HG).	< 1	COLOR	AMBER OIL	
VAPOR DENSITY (AIR=1)	< 10	DDOR	ODB	
PH @ 100%	9	CLARITY	HAZY	
PERCENT, VOLATILE BY VOLUME (%)	78	EVAPORATI (BU AC	ON RATE   < .01	
SOLUBILITY IN WATER	APPRECI	ABLE		
VISCOSITY	VISCOUS			

FLASH POINT (METHOD US	ED)   FLAN	MABLE LIMITS	N/ALEL	UEL N/A
EXTINGUISHING MEDIA * X <-		DRY X <chemical< td=""><td>WATER <spray< td=""><td><other< td=""></other<></td></spray<></td></chemical<>	WATER <spray< td=""><td><other< td=""></other<></td></spray<>	<other< td=""></other<>
SPECIAL FIRE FIGHTING EVACUATE HAZARD AREA DI CLOTHING INCLUDING A N COOL FIRE-EXPOSED CONT	F UNPROTECTED PE Iosh approved se	LF-CONTAINED BREA	ROPER PROTECTIVE	
UNUSUAL FIRE & EXPLOSI VAPORS ARE HEAVIER THAI INADEQUATELY VENTILATE IGNITED AT LOCATIONS D	N AIR AND MAY AC	LSO TRAVEL ALONG	REAS OR AREAS THE GROUND TO E	3E
NFPA HAZARD RATING (O= 3 <health 2="" <fi<="" td=""><td>INSIGNIFICANT; 1=</td><td>SLIGHT: 2=MODERATE <reactivity< td=""><td>3=HIGH: 4=EXTRE</td><td>ME):</td></reactivity<></td></health>	INSIGNIFICANT; 1=	SLIGHT: 2=MODERATE <reactivity< td=""><td>3=HIGH: 4=EXTRE</td><td>ME):</td></reactivity<>	3=HIGH: 4=EXTRE	ME):

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
CAN LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION WITH EFFECTS OF HEADACHE.

PCF000092

#### 5 IN 1 FUEL DIL ADDITIVE

(CONTINUED) SECTION V - HEALTH HAZARD DATA DIZZINESS, NAUSEA AND LOSS OF CONSCIOUSNESS EYE IRRITANT DEFATS SKIN WHICH CAN LEAD TO IRRITATION INHALATION MAY BE SLIGHTLY IRRITATING TO MUCOUS MEMBRANES INGESTION MAY RESULT IN VOMITING. ASPIRATION MUST BE AVOIDED TO AVOID PNEUMONITIS AVOIDED TO AVOID PNEUMONITIS. - CHRONIC - (LONG TERM EXPOSURE)

WARKED IRRITATION OF SKIN AND EYE UPON CHRONIC OVEREXPOSURE AS WELL AS

LIVER AND KIDNEY DAMAGE STUDIES INDICATE A POSSIBLE HUMAN CARCINOGENIC RISK. 3.

PRIMARY ROUTE OF ENTRY: X<-- INHALATION <-- INGESTION X<-- ABSORPTION

EMERGENCY A EXPECT AND PROCEDURES EMERGENCY & FIRST AID PROCEDURES
INHALATION:
REMOVE VICTIM TO FRESH AIR AND PROVIDE DXYGEN IF BREATHING IS DIFFICULT.
GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. EYE CONTACT:
EYE CONTACT:
FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT:
WASH WITH SDAP AND WATER. REMDVE CONTAMINATED CLOTHING AND SHOES; DO NOT REUSE UNTIL CLEANED. IF PERSISTENT IRRITATION OCCURS, GET MEDICAL INGESTION. INGESTION:
DD NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD
BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET
MEDICAL ATTENTION. NOTES TO PHYSICIAN : SECTION VI - TOXICITY INFORMATION PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY: 5 IN 1 FUEL OIL ADDITIVE (CONTINUED) SECTION VI - TOXICITY INFORMATION THERE WERE NO ABNORMAL HEMATOLOGIC EFFECTS OBSERVED. 8. STABILITY #<--STABLE <--UNSTABL | CONDITIONS TO AVOID INCOMPATIBILITY (MATERIALS TO AVOID) OPEN FLAME, STRONG OXIDIZERS HAZARDOUS DECOMPOSITION PRODUCTS POLYMERIZATION N/A SECTION VIII - SPILL OR LEAK PROCEDURES STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
ELIMINATE ALL SOURCES OF IGNITION. SMALL SPILLS: TAKE UP WITH ABSORBANT
AND PLACE IN LABELED CONTAINER FOR DISPOSAL. LARGE SPILLS: EVACUATE AREA
OF UNPROTECTED PERSONNEL. STOP LEAK AND CONTAIN SPILL. REMOVE VIA VACUUM
TRUCKS. TAKE UP REMAINDER WITH ABSORBANT AND PLACE IN LABELED CONTAINER
FOR DISPOSAL. DO NOT FLUSH TO SEWER. WASTE DISPOSAL METHOD
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
NEUTRALIZING AGENT SECTION IX - SPECIAL PROTECTION INFORMATION

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		CHE	M AQUA DISPE	RSANT	
	SECTION	III - PHY	SICAL DATA		PAGE : 02
BOILING PT. (FAHRENHEIT)	220	SPEC GRA	VITY (H2D=1)	:1.005	
VAPOR PRESSURE (MM HG).	15	COLOR	LIGHT BLUE		
VAPOR DENSITY (AIR=1)	. 6	ODOR	NONE		
PH @ 100%	7.5-8.5	CLARITY	SLIGHTLY OP	AQUE	
PERCENT, VOLATILE BY VOLUME (%)	98.9	EVAPORAT (BU AC		I/A	
SOLUBILITY IN WATER	COMPLET	Ε			
VISCOSITY	50-150	CPS			
-	SECTION	V IV - FIR	E AND EXPLOS	ION HAZARD	
FLASH POINT (METHOD USED NON-FLAM	)	FLAMMABLE	LIMITS	N/A LEL	N/A UEL
EXTINGUISHING MEDIA "ALC	OHOL"	-c02	DRY	WATER <spray< td=""><td><other< td=""></other<></td></spray<>	<other< td=""></other<>
SPECIAL FIRE FIGHTING PRO	CEDURES				
N/A					
UNUSUAL FIRE & EXPLOSION	HAZARDS				
N/A					
NFPA HAZARD RATING (O=INS 1 <health <flam<="" o="" td=""><td>IGNIFICAN</td><td>T:1=SLIGH</td><td>T:2=MODERATE ACTIVITY</td><td>:3=HIGH:4=EXT</td><td>REME):</td></health>	IGNIFICAN	T:1=SLIGH	T:2=MODERATE ACTIVITY	:3=HIGH:4=EXT	REME):
	SECTION V	- HEALTH	HAZARD DATA		
THRESHOLD LIMIT VALUE :					
NOT ESTABLISHED FOR MIXTU	JRE. SEE	SECTION I	I .		
EFFECTS OF OVEREXPOSURE	_	ACUTE -	(SHORT TER	M EXPOSURE)	
NO SKIN IRRITATION.			, 5/10/11 / 12/1	/	

STORAGE TEMPERATURE | INDODR | HEATED | REFRIGERATED | DUTDOOR | 150 F. <--MAX | 35 F. <--MIN | X | ABOVE 35 F

CHEM AQUA DISPERSANT

(CONTINUED)	SECTION X -	STORAGE AND HAN	DLING INFORMAT	IPAGE : 05
PRECAUTIONS TO BE	TAKEN IN HANDLING 8	TORING		
OTHER PRECAUTIONS KEEP OUT DF REACH READ AND FOLLOW A STORE ONLY IN LAB				
	SECTION XI - F	EGULATORY INFOR	MATION	
(PENNSYLVANIA RIG WITHHELD AS A TRA	SHT-TO-KNOW REQUIREMENT ADE SECRET)	: NON-HAZARDOU	S INGREDIENT N	AMES ARE
CHEMICAL NAME	C.A.S. NU	MBER UPP	ER % LIMIT	
THOSE INGREDIENTS 313 OF TITLE III 1986 AND 40 CFR P IF UE (USE EXE FROM NOTIFICATION JANITORIAL WORK, MAINTENANCE (SUCH	LISTED ABDVE ARE SUB- OF THE SUPERFUND AMEND ART 372. WHITION) APPEARS UNDER WHEEAUSE THE PRODUCT I OR THE PRODUCT IS USEE I AS FERTILIZERS AND HE AINING MOTOR VEHICLES.	S USED AND LABE AND LABELED FO RBICIDES). OR T	RTING REQUIREM HORIZATION ACT END USERS ARE LED FOR ROUTIN R FACILITY GRO HE PRODUCT IS	ENTS OF OF EXEMPT E UNDS USED AND
	SECTION XII - TRANSPOR		UTURE USE)	* * * * * * * * * * *
APPLICABLE REGULA <49 CFR < SHIPPING NAME	TIONS IMCO <tariff 6<="" td=""><td>D <iata< td=""><td><military ai<="" td=""><td>R (AFR 71-4</td></military></td></iata<></td></tariff>	D <iata< td=""><td><military ai<="" td=""><td>R (AFR 71-4</td></military></td></iata<>	<military ai<="" td=""><td>R (AFR 71-4</td></military>	R (AFR 71-4
HAZARD CLASS			ID NUMBER   REF	PORT OTY
LABELS		<b>\</b>	LIMITED QTY	
UNIT CONTAINER				
DOT SPS CONTAINE	R	NET EXPLOS	IVE WT.	
AEROSOL PROPELLAN	IT(S)			
		CHEM AQUA DISP	ERSANT	
	SECTION XIII	- REFERENCES		PAGE : O6

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SAFETY DATA SHEET : CHEIN-AQUA 150 (098268-0340 -00000152-0050 ... SECTION I - GENERAL INFORMATION CHEMICAL NAME - .... MANUFACTURERS NAME: NATIONAL CHEMSEARCH DIV. OF NCH CORP. ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 152170
IRVING, TEXAS 75015

PREPARED BY:
KELLY SEALS/T.S.CHEMIST OO50 214-438-1381 -----438-0211-----SECTION II- HAZARDOUS INGREDIENTS THE MAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS AS THE PRODUCT MIXTURE HAS NOT BEEN TESTED AS A WHOLE. CHEMICAL NAME (INGREDIENTS) | HAZARD | TLV\* | PEL\* | CAS#

SODIUM HYDROXIDE CDRROSIVE 2MG/M3-C 2MG/M3 1310-73-2 SECTION IIA - NON-HAZARDOUS INGREDIENTS NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE SECRET REGISTRY # 409363-5261P SECTION III - PHYSICAL DATA SECTION III - PHYSICAL DATA BOILING PT (FAHRENHEIT) | 220 | SPEC GRAVITY (H2D=1) :1.20

VAPOR PRESSURE (MM HG) | 15.0 | COLOR | CLEAR

VAPOR DENSITY (AIR=1) | 0.60 | DDDR | SLIGHT AMMONIA

PH • 100% | 13 | CLABITY | TRANSPARENT PH • 100% | 13 | CLARITY | TRANSPARENT

PERCENT, VOLATILE | 80 | EVAPORATION RATE | 0.10 |

SOLUBILITY IN WATER | COMPLETE

VISCOSITY | NON-VISCOUS SECTION IV - FIRE AND EXPLOSION HAZARD FLASH PDINT (METHOD USED) | FLAMMABLE LIMITS | N/A | N UNUSUAL FIRE & EXPLOSION HAZARDS SECTION V - HEALTH HAZARD DATA THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION 11.

- ACUTE - (SHORT TERM EXPOSURE)
SEVERE EYE IRRITANT. CAUSE REDDENING AND IRRITATION TO SKIN.

EFFECTS OF OVEREXPOSURE

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
MECHANICAL (GENERAL) USUALLY ADEQUATE PRODUCT IS RELATIVELY
NON-VOLATILE
RESPIRATORY PROTECTION
USE NIDSH APPROVED MASK IF MISTING SHOULD DCCUR.
PROTECTIVE GLOVES
PVA GLOVES SHOULD BE WORN DEPENDING ON
SEVERITY OF EXPOSURE.
EYE PROTECTION
GDGGLES SHOULD BE WORN DEPENDING ON
SEVERITY OF EXPOSURE.

PCF000099

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1. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION,
N. IRVING SAX.
2. VENDOR'S MSDS.

(012789-0217 -CD000152-8474 ) DATE OF ISSUE SUPERSEDES 09/01/89 11/11/87



SE	CTION T				
	CITON I -	GENERAL I	NFORMATION		
CHEMICAL NAME & SYNONYMS		STE	TRADE NAME	& SYNONYMS TEST KIT	
CHEMICAL FAMILY AQUEOUS ALCOHOL SOLUTION	·		FORMULA		
MANUFACTURERS NAME: NATIONAL CHEMSEARCH DIV.	DF NCH C	ORP.			
ADDRESS (NUMBER, STREET, BOX 152170 IRVING, TEXAS 75015			CODE)		
PREPARED BY: RICHARD STOLLEY/T.S.CHEM	PROD	UCT CODE N	UMBER   EME	ERGENCY TELEPHO	NE NUMBER
	SECTIO	N II- HAZA	RDOUS INGRE	DIENTS	
THE HAZARDS PRESENTED BE COMPONENTS.	LOW ARE T	HOSE OF TH	E INDIVIDUA	/L	
CHEMICAL NAME (INGREDIEN		HAZARD	TLV	PEL	CAS#
ISOPROPANOL	F	LAMMABLE	400PPM	400PPM	67-63-0
	SECTION	III - PHY	SICAL DATA		
BOILING PT. (FAHRENHEIT)	175	T SPEC GPA	VITY (H20=1	() :0.955	
		COLOR	RED		
VAPOR DENSITY (AIR=1)	2	ODOR	ISOPROPANO	)L	
(CONTINUED)	SECTION	<u>STE</u> 111 - PHY	AM COND PH SICAL DATA	TEST KIT	PAGE : 02
PH ◆ 100%	¦6	! CLARITY	TRANSPAREN		
PERCENT, VOLATILE BY VOLUME (%)	99	EVAPORAT (BU AC	ION RATE	1.6	
SOLUBILITY IN WATER	COMPLE				
		12			
VISCOSITY	NON-VI				
	<del>:</del>				
	NON-VI	scous	E AND EXPLO	SION HAZARD	
VISCOSITY	NON-VI	N IV - FIR			N/a UEL
VISCOSITY  FLASH POINT (METHOD USED) 78 F. T.C.C	SECTIO	N IV - FIR FLAMMABLE	LIMITS	N/A WATER	IN/A
VISCOSITY  FLASH POINT (METHOD USED, 78 F. T.C.C.  EXTINGUISHING MEDIA -AL	SECTIO	N IV - FIR FLAMMABLE	LIMITS	N/A WATER	N/a UEL
VISCOSITY  FLASH POINT (METHOD USED) 78 F. T.C.C	SECTIO  SECTIO  SECTIO  X<  COHOL X<	SCOUS N IV - FIR FLAMMABLE N/A	LIMITS DRY <chemical< td=""><td>N/A WATER</td><td>IN/A</td></chemical<>	N/A WATER	IN/A
VISCOSITY  FLASH POINT (METHOD USED, 78 F. T.C.C.  EXTINGUISHING MEDIA -ALC X <fdamfi cool="" f<="" fighting="" fire="" prouse="" special="" spray="" td="" to="" water=""><td>SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO</td><td>SCOUS N IV - FIR FLAMMABLE N/A</td><td>LIMITSCHEMICAL</td><td>N/A WATER</td><td>IN/A</td></fdamfi>	SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO	SCOUS N IV - FIR FLAMMABLE N/A	LIMITSCHEMICAL	N/A WATER	IN/A
VISCOSITY  FLASH POINT (METHOD USED, 78 F. T.C.C.  EXTINGUISHING MEDIA -ALC X <fdamfi cool="" f<="" fighting="" fire="" prouse="" special="" spray="" td="" to="" water=""><td>SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO</td><td>FLAMMABLE N/ACO2 X SED SURFACE</td><td>LIMITS CHEMICAL</td><td>N/A WATER X<spray< td=""><td>IN/A</td></spray<></td></fdamfi>	SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO	FLAMMABLE N/ACO2 X SED SURFACE	LIMITS CHEMICAL	N/A WATER X <spray< td=""><td>IN/A</td></spray<>	IN/A
VISCOSITY  FLASH POINT (METHOD USED, 78 F. T.C.C.  EXTINGUISHING MEDIA -ALC X <fdamfi cool="" f<="" fighting="" fire="" prouse="" special="" spray="" td="" to="" water=""><td>SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO</td><td>FLAMMABLE N/ACO2 X SED SURFACE</td><td>LIMITS CHEMICAL</td><td>N/A WATER X<spray< td=""><td>IN/A</td></spray<></td></fdamfi>	SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO	FLAMMABLE N/ACO2 X SED SURFACE	LIMITS CHEMICAL	N/A WATER X <spray< td=""><td>IN/A</td></spray<>	IN/A
VISCOSITY  FLASH POINT (METHOD USED) 78 F. T.C.C.  EXTINGUISHING MEDIA <fo &="" cool="" explosion="" f="" fighting="" fire="" flammable.="" keef<="" pro="" special="" spray="" td="" to="" unusual="" use="" warning:="" water=""><td>SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  ANA  SECTIO  ANA  SECTIO  ANA  ANA  SECTIO  ANA  ANA  SECTIO  ANA  ANA  ANA  ANA  ANA  ANA  ANA  A</td><td>FLAMMABLE N/ACO2 X SED SURFAC</td><td>LIMITS  DRY CHEMICAL ES</td><td>N/A WATER X<spray< td=""><td> N/A   <othe< td=""></othe<></td></spray<></td></fo>	SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  SECTIO  ANA  SECTIO  ANA  SECTIO  ANA  ANA  SECTIO  ANA  ANA  SECTIO  ANA  ANA  ANA  ANA  ANA  ANA  ANA  A	FLAMMABLE N/ACO2 X SED SURFAC	LIMITS  DRY CHEMICAL ES	N/A WATER X <spray< td=""><td> N/A   <othe< td=""></othe<></td></spray<>	N/A   <othe< td=""></othe<>
VISCOSITY  FLASH POINT (METHOD USED, 78 F. T.C.C.  EXTINGUISHING MEDIA -ALC X <fdamfi cool="" f<="" fighting="" fire="" prouse="" special="" spray="" td="" to="" water=""><td>SECTIO SECTIO SECTIO SIGNIFICA MABILITY</td><td>FLAMMABLE N/AC02 X SED SURFAC</td><td>LIMITS  DRY CHEMICAL ES</td><td>N/A WATER X<spray e;3="HIGH;4=EXT&lt;/td" flame.="" pen=""><td> N/A   <othe< td=""></othe<></td></spray></td></fdamfi>	SECTIO SECTIO SECTIO SIGNIFICA MABILITY	FLAMMABLE N/AC02 X SED SURFAC	LIMITS  DRY CHEMICAL ES	N/A WATER X <spray e;3="HIGH;4=EXT&lt;/td" flame.="" pen=""><td> N/A   <othe< td=""></othe<></td></spray>	N/A   <othe< td=""></othe<>
VISCOSITY  FLASH POINT (METHOD USED 78 F. T.C.C. EXTINGUISHING MEDIA <fe &="" (o="IN:" 1="" 3="" <flam<="" <health="" cool="" explosion="" f="" fighting="" fire="" flammable.="" hazzard="" keef="" nfpa="" pro="" rating="" special="" spray="" td="" to="" unusual="" use="" warning:="" water=""><td>SECTION SECTION SECTION SECTION SECTION SECTION</td><td>FLAMMABLE N/ACO2 X SED SURFACE OM HEAT, SE</td><td>LIMITS  DRYMICAL  ES.  PARKS AND D  T;2-MODERAT  ACTIVITY  HAZARD DAT</td><td>N/A WATER X<spray <special<="" e;3="HIGH;4=EXT" flame="" pen="" td=""><td>N/A <othe< td=""></othe<></td></spray></td></fe>	SECTION SECTION SECTION SECTION SECTION SECTION	FLAMMABLE N/ACO2 X SED SURFACE OM HEAT, SE	LIMITS  DRYMICAL  ES.  PARKS AND D  T;2-MODERAT  ACTIVITY  HAZARD DAT	N/A WATER X <spray <special<="" e;3="HIGH;4=EXT" flame="" pen="" td=""><td>N/A <othe< td=""></othe<></td></spray>	N/A <othe< td=""></othe<>
VISCOSITY  FLASH POINT (METHOD USED 78 F. T.C.C.  EXTINGUISHING MEDIA -ALL X <fdamflash &="" (o="INT)HEALTH" 3="" <flash="" cool="" established="" explosion="" fighting="" fire="" flammable.="" for="" funusual="" hazard="" keef="" limit="" mixtu<="" nfpa="" not="" prouse="" rating="" special="" spray="" td="" threshold="" to="" value:="" warning:="" water=""><td>SECTIO  SECTIO  SECTIO  COHOL X  COHOL X  CEDURES  FIRE EXPO  MAZARDS  AWAY FR  SIGNIFICAL  MABILITY  SECTION  JRE. SEE</td><td>FLAMMABLE N/ACO2 X SED SURFACE OM HEAT, SE V - HEALTH SECTION I</td><td>LIMITS CHEMICAL  ES.  PARKS AND D  T:2-MODERAT  ACTIVITY  HAZARD DAT</td><td>N/A WATER X<spray <special<="" e;3="HIGH;4=EXT" flame.="" pen="" td=""><td> N/A</td></spray></td></fdamflash>	SECTIO  SECTIO  SECTIO  COHOL X  COHOL X  CEDURES  FIRE EXPO  MAZARDS  AWAY FR  SIGNIFICAL  MABILITY  SECTION  JRE. SEE	FLAMMABLE N/ACO2 X SED SURFACE OM HEAT, SE V - HEALTH SECTION I	LIMITS CHEMICAL  ES.  PARKS AND D  T:2-MODERAT  ACTIVITY  HAZARD DAT	N/A WATER X <spray <special<="" e;3="HIGH;4=EXT" flame.="" pen="" td=""><td> N/A</td></spray>	N/A
VISCOSITY  FLASH POINT (METHOD USED 78 F. T.C.C.  EXTINGUISHING MEDIA -ALL X <fdamflash &="" (o="INT)HEALTH" 3="" <flash="" cool="" established="" explosion="" fighting="" fire="" flammable.="" for="" funusual="" hazard="" keef="" limit="" mixtu<="" nfpa="" not="" prouse="" rating="" special="" spray="" td="" threshold="" to="" value:="" warning:="" water=""><td>SECTIO  SECTIO  SECTIO  COHOL X&lt; CEDURES  FIRE EXPO  MAZARDS  AWAY FRI  SIGNIFICAL  MABILITY  SECTION  JRE. SEE</td><td>FLAMMABLE N/ACO2 X SED SURFACE OM HEAT, SE V - HEALTH SECTION I</td><td>LIMITS CHEMICAL  ES.  PARKS AND D  T:2-MODERAT  ACTIVITY  HAZARD DAT</td><td>N/A WATER X<spray <special<="" e;3="HIGH;4=EXT" flame.="" pen="" td=""><td> N/A</td></spray></td></fdamflash>	SECTIO  SECTIO  SECTIO  COHOL X< CEDURES  FIRE EXPO  MAZARDS  AWAY FRI  SIGNIFICAL  MABILITY  SECTION  JRE. SEE	FLAMMABLE N/ACO2 X SED SURFACE OM HEAT, SE V - HEALTH SECTION I	LIMITS CHEMICAL  ES.  PARKS AND D  T:2-MODERAT  ACTIVITY  HAZARD DAT	N/A WATER X <spray <special<="" e;3="HIGH;4=EXT" flame.="" pen="" td=""><td> N/A</td></spray>	N/A
VISCOSITY  FLASH POINT (METHOD USED 78 F. T.C.C.  EXTINGUISHING MEDIA <fe &="" (o="IN:" 1="" 3="" <flam<="" <health="" cool="" explosion="" f="" fighting="" fire="" flammable.="" hazard="" keef="" nfpa="" pr="" rating="" special="" spray="" td="" to="" unusual="" use="" warning:="" water=""><td>SECTION SECTION SECTIO</td><td>FLAMMABLE N/ACD2 X SED SURFACE OM HEAT, SE V - HEALTH SECTION I</td><td>LIMITS  DRY CHEMICAL  ES.  PARKS AND D  T.2-MODERAT  ACTIVITY  HAZARD DAT</td><td>N/A  WATER  X<spray a="" ay="" e;3="HIGH;4=EXT" exposure)="" flame.="" in="" m<="" pen="" result="" rm="" special="" td=""><td> N/AOTHE</td></spray></td></fe>	SECTION SECTIO	FLAMMABLE N/ACD2 X SED SURFACE OM HEAT, SE V - HEALTH SECTION I	LIMITS  DRY CHEMICAL  ES.  PARKS AND D  T.2-MODERAT  ACTIVITY  HAZARD DAT	N/A  WATER  X <spray a="" ay="" e;3="HIGH;4=EXT" exposure)="" flame.="" in="" m<="" pen="" result="" rm="" special="" td=""><td> N/AOTHE</td></spray>	N/AOTHE

#### STEAM CL T PH TEST KIT

(CONTINUED)	SECTIO	N V -	HEALTH HA	TARL DATA		PAGE : 03
PRIMARY ROUTE	OF ENTRY: X< IN	HALATI	ON < I	GESTION	< ABSORP	TION
EMERGENCY & FI	RST AID PROCEDURE	S	· · · · · · · · · · · · · · · · · · ·	. S		
REMOVE PERSON IRRITATION PER	ION : From Area to Fres Sists.	H ÁÍR.	SEEK MED	CAL ATTEN	TION IF ANY	
EYE CON	TACT:					
WATER FOR AT L	TACT: EEK MEDICAL ATTEN EAST 15 MINUTES H SURFACE. SEEK ME	TION I DLDING	MMEDIATELY EYELIDS	PART TL :	NSURE FLUSH	NG DF
WASH DEF WITH	NTACT: PLENTY OF WATER.	APPLY	EMOLLIEN	RICH CRE	AM IF IRRITA	TION
PERSISTS.						
IF SWALLOWED	DO NOT INDUCE VOM E SEVERAL GLASSES CONSCIOUS PERSON.	ITING.	GIVE LARG	E QUANTIT	IES OF WATER	R. IF
MOUTH TO AN UN	CONSCIOUS PERSON.	SEEK	MEDICAL	TTENTION	IMMEDIATELY.	
NOTES T	D PHYSICIAN :					
	SECT	ION VI	- TOXICIT	Y INFORMA	TION	
PRODUCT CONTAI	NS CHEMICAL LISTE	D AS C	ARCINOGEN	OR POTENT	IAL CARCINO	EN BY:
IARC <yes X<no< td=""><td>NTP <yes ds<="" td=""><td>HA S</td><td>YES ACC</td><td>Y&gt; N&gt;X</td><td></td><td><yes< td=""></yes<></td></yes></td></no<></yes 	NTP <yes ds<="" td=""><td>HA S</td><td>YES ACC</td><td>Y&gt; N&gt;X</td><td></td><td><yes< td=""></yes<></td></yes>	HA S	YES ACC	Y> N>X		<yes< td=""></yes<>
		22	TENDROP	MOI	<u> </u>	
			EYE-HMN:	20PPM 2.	OMG/KG:CSN 2	<b>)</b> .
			ORL-MAN	DLD: 8600	MG/KG 2. PPM 2.	
					OMG/KG:CSN 2 MG/KG 2. PPM 2.	
	SECT	ION VI	1 - REACT	VITY DATA		
***************************************	1×2574DLC					
STABILITY	X <stable <-<="" td=""><td>-UN5 I A</td><td>RL ! CONF</td><td>011110NS 10</td><td></td><td></td></stable>	-UN5 I A	RL ! CONF	011110NS 10		
	KEEP AWAY FROM H	EAT AN	D OPEN FLA	ME		
INCOMPATIBILIT	Y (MATERIALS TO A	VDID)				
N/A						
	MPDSITION PRODUCT	S				
CARBON MONOXID	E POSSIBLE					
			CTEAN C	DND DU TE	CT	
(CONTINUED)	Sect	TON VI	•	OND PH TE	ST KIT	PAGE · OA
(CONTINUED)	SECT	ION VI	STEAM C		ST KIT	PAGE : 04
(CONTINUED)	WILL NOT		I - REACTI			PAGE : 04
	WILL NOT X <occur< td=""><td></td><td>I - REACTI</td><td>VITY DATA</td><td></td><td>PAGE : 04</td></occur<>		I - REACTI	VITY DATA		PAGE : 04
HAZARDOUS	WILL NOT X <occur< td=""><td></td><td>I - REACTI</td><td>VITY DATA</td><td></td><td>PAGE : 04</td></occur<>		I - REACTI	VITY DATA		PAGE : 04
HAZARDOUS	X <occur< td=""><td></td><td>I - REACTI</td><td>VITY DATA</td><td>AVOID</td><td>PAGE : 04</td></occur<>		I - REACTI	VITY DATA	AVOID	PAGE : 04
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HAZARDOUS POLYMERIZATION	X <occur N/A</occur 		I - REACTI	VITY DATA	AVOID	PAGE : 04
HAZARDOUS POLYMERIZATION  STEPS TAKEN IN TAKE UP WITH AS	X <occur a="" case="" is="" material="" material<="" n="" sect="" sorbant="" td=""><td></td><td>I - REACTI</td><td>VITY DATA</td><td>AVOID</td><td>PAGE : 04</td></occur>		I - REACTI	VITY DATA	AVOID	PAGE : 04
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HAZARDOUS POLYMERIZATION  STEPS TAKEN IN TAKE UP WITH AE WASTE DISPOSAL DISPOSE OF IN CONCERNING HEA	X < OCCUR  N/A  SECT  CASE MATERIAL IS SORBANT MATERIAL METHOD ACCORDANCE WITH F	COCC	I - REACTI AY   CONC UR   II - SPILL SED OR SPI	OR LEAK	AVOID	PAGE : 04
HAZARDOUS POLYMERIZATION  STEPS TAKEN IN TAKE UP WITH AR WASTE DISPOSAL DISPOSE OF INL CONCERNING HEAL NEUTRALIZING AC	X <occur a="" accordance="" ath="" case="" f="" is="" material="" method="" n="" pollution.="" sect="" sorbant="" td="" u<="" with=""><td>COCC</td><td>I - REACTI AY   CONC UR   II - SPILL SED OR SPI</td><td>OR LEAK</td><td>AVOID</td><td>PAGE : 04</td></occur>	COCC	I - REACTI AY   CONC UR   II - SPILL SED OR SPI	OR LEAK	AVOID	PAGE : 04
HAZARDOUS POLYMERIZATION  STEPS TAKEN IN TAKE UP WITH AE WASTE DISPOSAL DISPOSE OF IN CONCERNING HEA	X <occur a="" accordance="" ath="" case="" f="" is="" material="" method="" n="" pollution.="" sect="" sorbant="" td="" u<="" with=""><td>COCC</td><td>I - REACTI AY   CONC UR   II - SPILL SED OR SPI</td><td>OR LEAK</td><td>AVOID</td><td>PAGE : 04</td></occur>	COCC	I - REACTI AY   CONC UR   II - SPILL SED OR SPI	OR LEAK	AVOID	PAGE : 04
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#### STEAM COND PH TEST KIT

		STORAGE AN	D HANDLING INFORM	ATIPAGE : 05
OTHER PRECAUTIONS				
5. Sec. 19.		REGULATORY	INFORMATION	meele (
			UPPER % LIMIT	
THOSE INGREDIENTS LISTED AND 313 OF TITLE 111 OF THE SU 1986 AND 40 CFR PART 372.	BOVE ARE SUB PERFUND AMEN	JECT TO THE	REPORTING REQUIR REAUTHORIZATION A	EMENTS OF CT OF
THOSE INGREDIENTS LISTED AN 313 OF TITLE III OF THE SU 1986 AND 40 OFR PART 372.  IF UE (USE EXEMPTION) AN FROM NOTIFICATION BECAUSE JANITORIAL WORK OR THE PROMAINTENANCE (SUCH AS FERTIL LABELED FOR MAINTAINING MO	THE PRODUCT DDUCT IS USE LIZERS AND HI TOR VEHICLES	IS USED AND AND LABEL ERBICIDES),	LABELED FOR ROUT ED FOR FACILITY G OR THE PRODUCT I	INE ROUNDS S USED AND
WARNING: THIS PRODUCT CONT. CALIFORNIA TO CAUSE (1) CAI NONE	IFORNIA PROPI AINS THE FOL NCER OR (2)	DSITION 65 LOWING CHEM BIRTH DEFEC	ICAL(S) KNOWN TO	THE STATE OF DUCTIVE HARM:
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HAZARD CLASS			ID NUMBER	REPORT OTY
LABELS			LIMITED OTY	
UNIT CONTAINER				
DOT SPS CONTAINER		NET E	XPLOSIVE WT.	
AEROSOL PROPELLANT(S)				
	SECTION XIII	- REFEREN	CES	
(CONTINUED)	SECTION XIII		D PH TEST KIT CES	PAGE : 06
1. THRESHOLD LIMIT VALUE F ENVIRONMENT, 2ND EDITIO 2. DANGEROUS PROPERTIES OF N. IRVING SAX.	FOR CHEMICAL DN. ACGIH, 19 INDUSTRIAL	SUBSTANCES 85 MATERIALS,	IN THE WORK 6th Edition,	
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NATIONAL CHEMSEARCH DI FOR PERSONAL INJURY OR OR DISPOSAL OF THE PRO				

OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON T PRODUCT LABEL. USERS ASSUME ALL RISKS ASSOCIATED WITH SUCH UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.

MATERIAL SAFETY DAT	A SHELT	: CHE	MSEARCH 33	3 	PAGE : 01
(078674-0186 -CD000152-	0053 )	DATE OF 1 09/11/	SSUE 92	SUPERSEDES 05/22/90	3
SE	ČTÍĎN I -	GENERAL I	NFORMATION		
CHEMICAL NAME & SYNDNYMS		CHE	TRADE NAM MSEARCH 33	E & SYNONYMS	
CHEMICAL FAMILY ALKALINE BOILER TREATMEN	<del></del> T		FORMUL	A <mixture< td=""><td></td></mixture<>	
MANUFACTURERS NAME: NATIONAL CHEMSEARCH DIV.	OF NCH C	 DRP.			
ADDRESS (NUMBER, STREET, BOX 152170 IRVING, TEXAS 75015			CODE)		
IRVING, TEXAS 75015					
PREPARED BY: L DEYOUNG/CHEMIST	PROD OOS	UCT CODE N	UMBER   EM 2	ERGENCY TELEPHO 14-438-1381	NE NUMBER
	SECTIO	N II- HAZA	RDDUS INGR	EDIENTS	
THE HAZARDS PRESENTED BE COMPONENTS.	LOW ARE T	HOSE OF TH	E INDIVIDU	AL	
CHEMICAL NAME (INGREDIEN' MORPHOLINE HAZARD>CORRO	15) :				
HAZARD>CORROS STEL(TWA)* ->30PPM	SIVE   T	LV>20PP AS#>110-	M P	EL>20PPM	ļ
3122(142)** >0011#					-1
	SECTION	IIA - NON	-HAZARDOUS	INGREDIENTS	
NON-HAZARDOUS INGREDIENT SECRET REGISTRY # 40936	NAMES AN	CAS NUMB	ERS ARE PR	DTECTED UNDER N	J TRADE
3ECRET REGISTRY # 4035					
		CHE	ASEARCH 33	3	
	SECTION	III - PHY	SICAL DATA		PAGE : 02
BOILING PT. (FAHRENHEIT)	220	SPEC GRAN	/ITY (H20=	1) :1.10	
	15		WATER WHI		
VAPOR DENSITY (AIR=1)	0.6		SLIGHT AM		
	11		TRANSPARE		
PERCENT, VOLATILE By volume (%)	100	EVAPORATI (BU AC	= 1 )	0.10	
SOLUBILITY IN WATER	COMPLET	TE.			
VISCOSITY	NON-VI	cous			
	CEATTE.				
	2FC1101	N IN - PIRE	: AND EXPL	SION HAZARD	

FLASH POINT (METHOD USED) | FLAMMABLE LIMITS | N/A LEL |

UNUSUAL FIRE & EXPLOSION HAZARDS
SPRAY EXPOSED CONTAINER WITH WATER TO AVOID STEAM GENERATION.

NFPA HAZARD RATING (O=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME): 2 <--HEALTH O <--FLAMMABILITY O <--REACTIVITY <--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Contraction of the Section 1995.

- ACUTE - (SHORT TERM EXPOSURE)
EXTREMELY IRRITATING WITH POSSIBLE PERMANENT EYE INJURY, CORROSIVE,

EFFECTS OF OVEREXPOSURE

PCF000104

	CHEMSEARCH 333	<i>:</i>	
	(CONTINUED) SECTION V - HEALTH HAZARD DATA PAGE : 03		•
	CAN CAUSE SKIN IRRITATION AND REDNESS. MAY CAUSE IRRITATION DF OF UPPER RESPIRATORY TRACT. MAY CAUSE T_MPDRARY HAZY VISION WITH "HALO" EFFECTS.		
٠.	WITH "HALD" EFFECTS.  - CHRONIC - (LONG TERM EXPOSURE)  PROLONGED CONTACT CAN RESULT IN INFECTION AND POTENTIAL RUINDNESS.		4,5
	PROLONGED CONTACT CAN RESULT IN INFECTION AND POTENTIAL BLINDNESS. SKIN:		
	PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE BLISTERING AND TISSUE DAMAGE. Inhalation:		
	CHRONIC INHALATION CAN CAUSE SEVERE IRRITATION OF RESPIRATORY TRACT.		
	PRIMARY ROUTE OF ENTRY: X< INHALATION < INGESTION X< ABSORPTION		
	EMERGENCY & FIRST AID PROCEDURES		
	OBJECT IS TO SEEK MEDICAL ATTENTION. GET PERSON OUT OF CONTAMINATED		
	OBJECT INHALATION: EDICAL ATTENTION. GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. IF BREATHING HAS STOPPED, ARTIFICIAL RESPIRATION SHOULD BE STARTED. DXYGEN MAY BE ADMINISTERED, IF AVAILABLE. SEEK MEDICAL ATTENTION INMEDIATELY.		
	IMMEDIATELY ELUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES HOLDING		
	EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES HOLDING EYELIOS APART FOR MAXIMUM FLUSHING. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. TREATMENT IS MOST EFFECTIVE IN THE FIRST MINUTE.		
	SKIN CONTACT: WASH CONTAMINATED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. WASH BEFORE REUSE. SEEK MEDICAL ATTENTION IMMEDIATELY.		
	INGESTION:		
	INGESTION : DD NDT INDUCE VOMITING. GIVE LARGE QUANTITIES DF WATER. GIVE AT LEAST ONE DUNCE OF VINEGAR IN EQUAL AMOUNTS OF WATER. SEEK MEDICAL ATTENTION		
	IMMEDIATELY.		
	NOTES TO PHYSICIAN :		
	***************************************		
	SECTION VI - TOXICITY INFORMATION		
	*		
	PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:		
	IARC' <yes <yes="" acgim="" ntp="" osha="" other="" td="" x<nd="" x<nd<=""><td></td><td></td></yes>		
	ORL-RAT LDSO: 1050MG/KG 1.		
	MORPHOLINE ORL-RAT LD50: 1050Mg/kg 1. DER-RBT LD50: 500Mg/kg 1. LARGE ORAL DOSING DF RATS HAS CAUSE KIDNEY EFFECTS.		
	SECTION VII - REACTIVITY DATA		
•	SECTION VII - REACTIVITI DATA		
	CHEMSEARCH 333		
	CHEMSEARCH 333  (CONTINUED) SECTION VII - REACTIVITY DATA PAGE : 04		
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	CHEMSEARCH 333	
(CONTINUED)	SECTION IX - SPECIAL PROTECTION INFORMATIOPAGE : 05	
EYE PROTECTION GOGGLES SHOULD BE WORK	WHEN HANDLING PRODUCT.	
EXPUSURE.	EPENDING ON SEVERITY OF	
	SECTION X - STORAGE AND HANDLING INFORMATION	
	MIN X ABOVE 35 F	
PRECAUTIONS TO BE TAKE STORE AT MODERATE TEMP AVOID SKIN OR EYE CONT AVOID BREATHING VAPOR.	N IN HANDLING & STORING PRATURES. ACT.	
OTHER PRECAUTIONS KEEP OUT OF REACH OF C READ AND FOLLOW ALL LA STORE ONLY IN LABELED	HILDREN. Sel Directions.	
	SECTION XI - REGULATORY INFORMATION	
	C.A.S. NUMBER UPPER % LIMIT	
THOSE INGREDIENTS LIST	D ABOVE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF	
1986 AND 40 CFR PART 3 IF UE (USE EXEMPTIO FROM NOTIFICATION BECA JANITORIAL WORK, OR TH MAINTENANCE (SUCH AS F LABELED FOR MAINTAININ	N) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT SE THE PRODUCT IS USED AND LABELED FOR ROUTINE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS RITILIZERS AND HERBICIDES) OR THE PRODUCT IS USED AND	
NONE	CALIFORNIA PROPOSITION 65 CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CANCER OR (2) BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:	

## CHEMSEARCH 333

SECTION XII - TRANSPORTATION + (FOR FUTURE USE)

#### SECTION XIII - REFERENCES

1. VENDOR'S MSDS.

\*SHORT TERM EXPOSURE LIMIT (TWA) LISTED AS FINAL RULE LIMITS PUBLISHED IN THE FEDERAL REGISTER/VOL.54 NO.12, 1-19-89

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION, HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

NATIONAL CHEMSEARCH DIV. OF NCH CORP. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE CAUSED BY THE USE, STORAGE OR DISPOSAL OF THE PRODUCT IN A MANNER NOT RECOMMENDED ON THE PRODUCT LABEL. USER'S ASSUME ALL RISKS ASSOCIATED WITH SUCH UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.

# Kleer Kast 15405032-33206-0151

The User Charge Sample Point is located in between Building 3 and Building 16 outside in a fenced in manhole.



# State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

Ť	1	INIFORM HAZARDOUS  1. Generator's US EPA ID No.	Manifest	2. Par	n Approved.			
		WASTE MANIFEST W5 0 5 6 7 9 8 6 8 8	- Loknusuk	of	1   1	not req	n in the sha uired by Fa	deral iaw.
	3. K	Generator's Name and Mailing Address		A. St	ate Manifest	Docume	895	73
				B. Sta	ale General	ors ID (G	en. Site Add	iress)
li	4.	Generator's Phone ( 201 ) 997-1880		<u>``.</u> `.	SA	NE		· 1/4
	5.	Transporter 1 Company Name 6. US EPA ID Number			ate Trans: II			ــــــــــــــــــــــــــــــــــــــ
		L&L OIL SERVICES T/A LORGO IN JIDISI 81 61 51 41		100	D	COMOD		215
$\ $	7.	Transporter 2 Company Name 8. US EPA ID Number	·		insporter's			
	<u> </u>	Designated Facility Name and Site Address 10. US EPA ID Number			ate Trans, II. D			<u>-0990</u> ;
	9.	LIONETTI DIL RECOVERY CO., INC. T/A LORCO			ansporter's I	<del></del>		
	Ì	RUNYON & CHEESEQUAKE ROS.		<del></del>	ate Facility's			
		010 3R10GE NO 08857 IN U DI DI SI SI SI SI SI	41 CT 61 4	H. Fa	cility's Phon	e (908	7.721-	0900
	11.	US DOT Description (Including Proper Shipping Name, Hazard Class or Division,	12. Conta		13. Total		14. 19. 30°	
Н		HM ID Number and Packing Group)	No.	Туре	Quanti		t/Vol	Vaste No.
П	a.	J PETROLEUM DIL NOS CLASS 3 (PETROLEUM DIL)	1				e 175	
Н		COMBUSTIBLE LIQUID UN 1270 PG III		<b>.</b> .	003	2		72. 2. 6
۵	<b>5</b> .		1001	1 1	993	40	6 A	726
٤	<b>J</b> .		1					
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٦	d. ,						AL C	100 C
П							1,40,	Refugie
	2	Additional Descriptions for Materials Listed Above		<u> </u>	andling Code	1 1		Name of
H		L.L PETROLEUM OLD PT		7.2	Michila Con	is for wa	SIOS LISTOO	ADOVE
H	ê.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		TOA	-FILTR	Trevat		
						11100		77.5. 77.6.5
H	Ż			b.				ì
	15:-	Special Handling Instructions and Additional Information						. ]
		AT EPA REGULATED, REGULATED AS HAZARDOUS WASTE IN	Y NEW J.	erse	Y			ļ
		2- HOUR EMERGENCY RESPONSE# (908)721-0900 DE NUESSE PESULTS	4100					• 1
	16.	GENERAL DR'S CERTIFICATION: I bereby declare that the contents of this consignment are fully	and accurat	ely desi	riced above	hiv prope	OM er shipping :	ame and are
		classified. secked, marked, and labeled, and are in all respects in proper condition for transport government egulations.	ort by highwa	ay acco	rding to ap	il eidso.lc	terna: onal	and national
			I taxialty of the	este de	nerated to t	ne deprae	i lihave deti	rminac to be
ij		If I am a lar peruantity generator, I certify that I have a program in place to reduce the volume and economically reacticable and that I have selected the practicable method of treatment, storage, or stuture threat solumnan health and the environment; OR, if I am a small quantity generator, I have m	discosal curr	ently av	railabie to m	which m	r: eeziminie	present and
		the best waste management method that is available to me and that I can afford.				20 my 11a	310 901161211	D.1 A1.0 301001
		Printed/Typed Nates Signature	1 ,				Month A C	Day Year
4	17	Jeffrey Gerber Juffrey 12	-		<del></del>		101	0.5 9.5
Ř	1/.	Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Nam-	<del>,</del>				Month	Day Yaar
A N S	1	Burry RICK Struckly	Runo					0594
0	18.	Transporter 2 Acknow ement of Receipt of Materials	<del></del>				101	
Ţ		Printed/Typed Name   Signature	<del></del>				Menth	Day Year
٩		<b>3</b>					1:1	أخلك
	13.	Discrepancy Indication Sp. 2.					· · · · · · · · · · · · · · · · · · ·	
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-	20	Facility Owner or Operator: Certific ton of receipt of hazardous materials covered by this manifes	t avcent ac r	nored in	⊒tem 19	<del></del>		
7		Printed/Typed Lama Signature	1 54000 35		1		Nonth.	Day Year
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_;	3	TSD MAIL TO - GENERATOR	•	, ;				

474 BB02 and the MDE at (410) 831-3400. Nights and Holidays at (410) 974-3551

GENERALOR

UNIFORM HAZARDOUS 1. Ge	nerator's US EPA ID NO.		Manifest cument No.		nformation in the sh	
WASTE MANIFEST		18 8 B	777	·- j 8	reas is not required ederal law.	БУ
3. Generator's Name and Mailing Address	Licer East		A. State Manifest Document No		05183	51
Jeff Gerber (201)997-1880 x3024	450 Schayler Ave Learny, NJ 0703	1	B. State Genera		00103	71
4. Generator's Phone ( )	• • • •		C. State Transp	orter's ID	HWH D D IL	\$ 125
5. Transporter 1 (Company Name)	6, US EPA ID Number		Vehicle Sticker	Number		
	M B D 9 8 0 5 15	5 4 6 5 3	AMIAK	1756	DE L'OBL	
Laidlaw Environmental Se	rvices (TS), Inc.		D. Transporter's 301/953-1 E. State Transport	9583	HWH T T T	
7. Transporter 2 (Company Name)	8. US EPA ID Number		Vehicle Sticker	*		52
			F. Transporter's	Phone	∞ □ □ □	
9. Designated Facility Name and Site Address			G. State Facility	1D	<i>A</i> 1	-
Laidlew Environmental Se	rvices (TS), Inc.		A207		A Section 1995	
G 3527 Whiskey Bottom Road	10, US EPA ID Number		H. Facility's Pho		g out heread to be in the	
E Laurel, MD 20724	H   1   9   8   0   5   5	5 4 6 5 3	[2]	0 11-19-15	3 - 9 5 4	
B		14 (4 12 13 )	<del></del>		14.	
A 11. US DOT Description (Including Proper Shit and ID Number)	oping Name, Hazard Class	12. Containers No. 1 Ty	j.	otal Quantity 1000	Unit L Wash	e Na
R a		1618	HILL	वित्यस	P # 0 1	
Bon-Regulated Materia			30		S. P.	1
HAZARDOUS VASTR, LIQ						
PAZARIONS VASTE LICU	10, 1,0.2, 9,	P	*		7 1 2 2 2	20 TO
MANUSZ, RGILLE (ATLEAS			<u> </u>		2 7 8 8	
G III () BEING THE	LITE DIETHORIEALT					头
J. Additional Description for Materials Listed A		Physical			K Handling Codes	tor
HAZ CODE State Specific Gravity	Percentage AZ CODE		c Gravity P	ercentage	K. Handling Codes Waste Listed Ab	ove. v
	1 1 1 % <del>v - 1 1</del>			<b>1</b> % :		그기
KEDEL COLL			4.34	P % .		
15. Special Handling Instructions and Addition	nal Information EMERGRACY CON	TACT - 1/800	-535-5053	(Infetrac	λ.	
a.) 6ELB-009,019,020,02	210201024,021 8.7 04	2.6-029 6.70		III) UNLE-CI		
16. GENERATOR'S CERTIFICATION: I hereby do and are classified, packed, marked and lat and national government regulations and I	beled, and are in all respects in proper Maryland Statutes or Regulations.	r condition for transpo	rt by highway ac	cording to applica	ble international	3
If I am a large quantity generator, I certificated to be economically practicable which minimizes the present and future three.	and that I have selected the practice at to human health and the environment	able method of treatm nt; OR if I am a small o	ent, storage, or of juantity generator	disposal currently , I have made a po	available to me	MDC
Printed/Typed Name		it is available to me and	that I can afford.	·	Date	0.5
T 17. Transporter 1. Acknowledgement of Recei	Idha	Let		विड	THE KOLE	1518
R Printed Ded Name		Signature			Date	$\omega$
5/h- J. 6011	13 //	>)(Z	1	DB	B 1919	1
O 18. Transporter 2 (Acknowledgement of Recei	<del></del>	Signature	- m. J		Date	
È T						
F 19. Discrepancy Indication Space A C	tin permituan adapa mengerapakan permituan permituan permituan tahun tahun dan basa sebagai dan beras sebagai d		TERMINISTRA AND A PRINCIPLE AND	MANUFACTURE OF STREET		
20. Facility Owner or Operator: Certification of		Commence of the commence of th	cept as noted in It	em 19.		
T Printed/Typed Name	•	Signature			Date	
EPA Form 8700-22 (10-91)				L		
Previous editions are obsolets.	COB	V O CENEDAT	OD DETACH	P DETAIN T	THE CUBY	

COPY 8 - GENERATOR: DETACH & RETAIN THIS COPY

Department of the Environment - Hazardous & Solid Waste Management Administration Hazardous Baltimore, MD 21224 Waste 2500 Broening Highway Program Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9/30/92

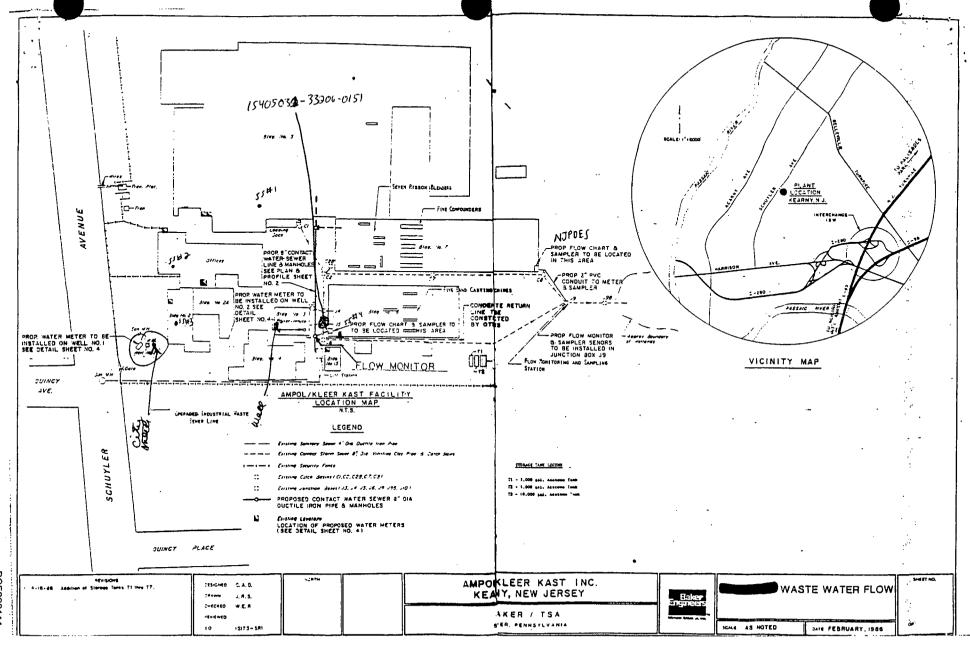
Manifest Page Informati
Document No. 22. of 22. of 22. information in the shaded **NIFORM HAZARDOUS** areas is not required by Federal law. WASTE MANIFEST 172 THE RECTARD OF LEVI 10577 (CONTINUATION SHEET) 23 Generator's Name Saff Cerbst Sleer Test M. State Generator's ID Number 24. Transporter\_\_\_\_ (Company Name) 25. US EPA ID Number Generalia A N. State Transporter's ID Vehicle Sticker Number O Transporter's Ph \_ (Company Name) 27 US FPA ID Number 26. Transporter..... P. State Transport HWH Vehicle Sticker Number 3 , 2 A DC Q. Transporter's Phone 31. Unit W/Vol 28. US DOT Description (Including Proper Shipping Name, Hazard Class 29. Containers -30. Total Quantity R. Waste No. and ID Number) Type a. P BEDE 'G For-Passiated Material Poissoners Solide, R.e.s. 4.1, UR2811 h E X PG III (Chalincia) Waste Coustic Alkali Ligals, p.p.s., 8, UNITIO, PC II (Sestion Silicate) (BQ DOD2) Casto Sodias Sydreride, Solution. S. I 18093A, PG 11 Weste, Coastic Alkai Ligalda, p.o.s., 8, e. PG II (Sotium Redreside) a. h. S. Additional Description for Materials Listed Above 180 280 18 3 T. Handling Codes for Waste Listed Above Physical Physical Physical Physical Physical Physical Percentage HAZ CODE State Specific Gravity Percentage HAZ CODE State a -- - 8 0 0 1 . 3 1 0 0 % d. - 6 - 1 0 0 1 . 2 1 0 0 % e - C - 1. 0,0,1 1100 % 32. Special Handling Instructions and Additional Information a.) \$122-023 8.)6812-013 c.)6212-016 d. \$222-031 33. Transporter\_\_\_\_\_(Acknowledgement of Receipt of Materials) Printed/Typed Name Signature

Signature

34. Transporter (Acknowledgement of Receipt of Materials)

Printed/Typed Name

35. Discrepancy Indication Space

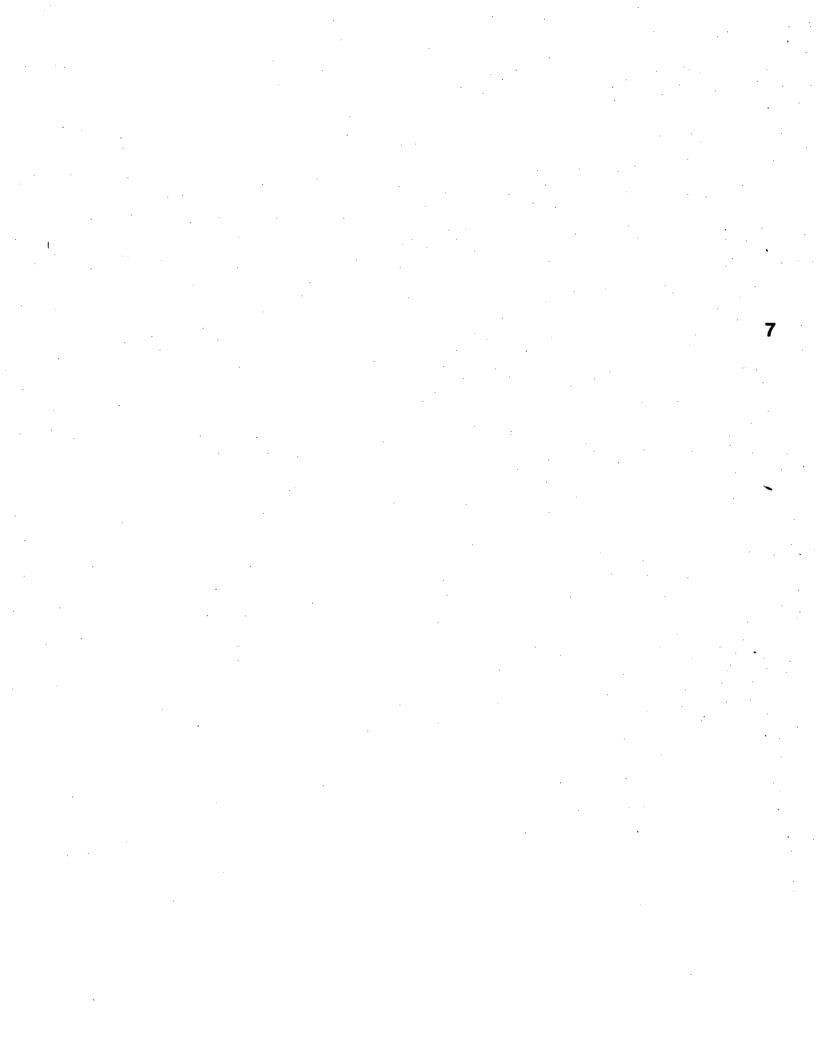


PCF000111

6 ,

-PROP FLOW CHART & SAMPLER TO BE LOCATED IN THIS LINEA CONCENSATE RETURN LINE TO SE LONSTRUCTED BY OTHERS -MOP FLOW MONITOR & SAMPLER SENORS TO BE INSTALLED IN JUNCTION SOX US PROP MATER METER TO BE INSTALLED ON MELL NO! SEE DETAIL SHEET NO. 4 VICINITY MAP ZUINCY AMPOL/KLEER KAST FACILITY LOCATION MAP form Line LEGEND DEPARTMENT KECEINED KECEINED TO 1002 135,425gallons - Average Daily Wastewater The & Mes & Mes CALIFOR OF PROPOSED WATER MEYERS (SEE DE'AR, SHEET NO. 4) \* Local Limit/UserCharge Sample Point JUINCY KLEER KAST INC. WASTE WATER FLOW KEARNY, NEW JERSEY Haler Engineers BAKER / TSA BEAVER, PERMETLYANIA SENS AS MOTED ME FEBRUARY, 1946

105 St 51 3 3



130-4918

December 23, 1994

Passaic Valley Sewerage Commissioners 600 Wilson Avenue Newark, New Jersey 07105



## Dear Gentlemen:

Enclosed are Kleer Kast's and Technical Plastics Extruders' Local Limit Baseline Monitoring Reports. Please review and if you have any questions, call me at (201) 997-1880.

Thank you for your attention in this matter.

Sincerely,

Jeffrey Gerber

Regulatory Specialist

cc: T. Azzarelli

H. O'Neill

J. Fulton

## **BASELINE MONITORING REPORT FOR PVSC**

1. KLEER KAST 450 SCHUYLER AVENUE KEARNY, NEW JERSEY 07032

#### 2. Environmental Permits

- a. Passaic Valley Sewer Commission- 15405032
- b. NJDEP Air- Casting-107277; Blending-093448; Compounding-105379; Acetone Storage Tanks-103729, 094719, 094720; Distillation-094721; Optical Dust Collector-110863, Sheet Extrusion-107276; Boiler-099564.
- c. NJDEP Water- NJPDES- 0031313
- d. NJDEP Physical Connection Permit- 506
- 3. Operation Description:
- a. Plastic Sheet Extrusion (Optical), Cellulose Acetate Sheet and Film Production and Plastic Pellets
- b. Average Rate of Production
  - 1. Cellulose Acetate Sheet- 2000 Lb/Day
  - 2. Plastic Pellets- 9000 Lb/Day
  - 3. Plastic Sheet- 1400 Lb/Day
- c. Standard Industrial Code (SIC)- 3081, 3087
- 4. Average Daily wastewater- 135,425 gallons Maximum Daily wastewater- 218,124 gallons

The average and maximum daily wastewater flows are determined from our flowmeter, which is located at the final discharge point for the facility.

5. The flow proportional sampling results are shown in the enclosed table. All samples were taken at the Local Limit/User Charge Sample Point. See the updated flow diagram for the location of the sample point. All samples were preserved with nitric acid.

- 6. The table shows that the Local Limits are being met for all nine metals. Nickel, Copper, and Chromium are the only metals where the Threshold Values were exceeded.
- 7. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

17/33/94 Date Jeffrey E. Gerber Regulatory Specialist

### Local Limit Baseline Monitoring Report Requirements

The following table is included to assist you in preparing this report.

**Outlet Number** 

Company Name |C|RV |Cast Outlet Number 15405031-33206-0151

"我有一点,我不知识,我们有一类是我们,我们的一点是是

Average Daily flow

Mickel (Mi)

Zinc (Zn)

135, 42-5 gallons

Parameter*	Date of	Sample	Average	Threshold	Local
	Sample	Results	Result	Value	Limit
			Montb	ily Average I	inuts (mg/l)
Arsenic (As)	11/15/94	.0236			
	11/16/94	.0345)			
``	11/23/94	1.0075/	0.02	0.15	0.15
Cadmium (Cd)	11/15/194	.0009			
	11/16/94	.0039			
	11/23/94		0.002	5.005	.19
Chromium (Cr)	11/15/94	031			
(the)	11/16/94	.162	. 02	2 222	
	11/23/94		0.102	0.006	5.36
Cobber (Cn)	11/15/94	. 153			
(Mrsz)	11/16/99	258	0 151 11	0.002	7.02
Lugd (Pb)	11/23/94		0.151.14	0.092	3.02
\(\tau_{\tau_{\tau}}\)	11/15/44	.0208			
(D) UNE NO	11//6/79	• 0302	2000	0.029	0.54
Mercury (Hg)	11/03/99		LAD &UN	, moës	0.54
mercarl (mg)	11/16/04	<.001			
	11/16/94	2.001	(0.001	0,001	0,080
lolybdenum (Mo)	<del></del>	(.332\	00		
	11/16/99	<.33a			
	11/23/94	<.332	(a. 332	Suspended	Suspended

\*Note: Metals that are regulated by a categorical limit which is more strict than the PVSC Local Limit need not be included.

Page 2 of 2

0.70

.02

1.67

PCF000123



1259 Route #46, Bldg. #4 Parsippany, NJ 07054-4909

Mr. Jeff Gerber PMC, Inc./Kleer Kast 450 Schuyler Ave. Kearny, NJ 07032

## ANALYSIS REPORT

REPORT DATE: DECEMBER 16, 1994
PROJECT NO: 94558
SAMPLE LAB ID: 942162A
SAMPLE FIELD ID: KK-1115
Init : $\mu g/L$

SAMPLE: Liquid, sampled by customer on 11/15/94 in N.J

Analysis	Method Number	Results	MDL
ARSENIC	206.2	23.6	7.5
CADMIUM	213.2	0.91	0.5
CHROMIUM	218.2	31	4.52
COPPER	220.1	153	42
LEAD	239.2	20.8	4
MERCURY	245.1	<1	1
MOLYBDENUM	246.1	<332	332
NICKEL	249.1	1120	165
ZINC	289.1	149	12

Submitted by:

Zvi Blank, Ph.D., CHMM Laboratory Director



1259 Route #46, Bldg. #4 Parsippany, NJ 07054-4909

Mr. Jeff Gerber PMC, Inc./Kleer Kast 450 Schuyler Ave. Kearny, NJ 07032

## ANALYSIS REPORT

REPORT DATE: DECEMBER 16, 19	994
PROJECT NO: 94558	
SAMPLE LAB ID: 942163A	<del></del>
SAMPLE FIELD ID: KK-1116	
Unit : <u>μg/L</u>	

SAMPLE: Liquid, sampled by customer on 11/16/94 in N.J

Analysis	Method Number	Results	MDL
ARSENIC	206.2	34.5	7.5
CADMIUM	213.2	3.87	0.5
CHROMIUM	218.2	162	4.52
COPPER	220.1	258	42
LEAD	239.2	30.2	4
MERCURY	245.1	<1	1
MOLYBDENUM	246.1	<332	332
NICKEL	249.1	705	165
ZINC	289.1	799	12

Submitted by:

Zvi Blank, Ph.D., CHMM Laboratory Director



1259 Route #46, Bldg. #4 Parsippany, NJ 07054-4909

Mr. Jeff Gerber PMC, Inc./Kleer Kast 450 Schuyler Ave. Kearny, NJ 07032

#### ANALYSIS REPORT

REPORT DATE: DECEMBER 16, 1994	
PROJECT NO: 94558	
SAMPLE LAB ID: 942164A	
SAMPLE FIELD ID: KK-1123	
Unit : <u>μg/L</u>	

SAMPLE: Liquid, sampled by customer on 11/23/94 in N.J

Analysis	Method Number	Results	MDL
ARSENIC	206.2	<7.5	7.5
CADMIUM	213.2	<0.5	0.5
CHROMIUM	218.2	113	4.52
COPPER	220.1	<42	42
LEAD	239.2	7.53	4
MERCURY	245.1	<1	1
MOLYBDENUM	246.1	<332	332
NICKEL	249.1	263	165
ZINC	289.1	<12	12

Submitted by:

Zvi Blank, Ph.D., CHMM Laboratory Director

NO. 94-558A.

#### CHAIN - OF - CUSTODY

			TORIES, IN	C.				ATA DELIVERABLES (cir	cle)	
450 PROJECT NA	Schuyles ME: PVSC	, Kait t. Kearm Heavy r	1etal, A	nalyny	·			SEND REPORT TO:		her_
Sample Lab I.D.	Sample Field I.D.	Sampling Location	Sampling Dale	Sampling Time	Sample Matrix	Sample Type Comp.	Sample Type Grab	Analysis Requested	No Of Cont.	
942162A	KK- 1115	Schryle Ave	11-15-94		W	V		Heary Metals (seclus)	1	
442/63A	KK-1116	11	11-16-44	8:45 an	N			//	1	e e
	KK- 1/23		11 - 23 ~ 9y.		lvi	J		"	/	÷
										.:
REMARKS:_	Analyse	for A	s, Col, Crl	T), Cin 0	Cb, Hy	Mo, N;	$Z_{\eta}$			
METHOD OF	RELINQUISH	MENT:	PICK UP	DROP-OFF	RELIN	, , NQUISHED	BY/DAT	E: Jeff Marker 11	12-3/9	1/ 11:0.
RECEIVED B	Y/DATE:	Z 6	(1) 1/i	3/94:11:0	_ RECEIVI	NG LABO	RATORY:	CALI		
STANDARD	TURNAROUNI	D TIME:		<u>P</u> RI	ORITY AU	THORIZAT	TION:		· · · · · · · · · · · · · · · · · · ·	

PASSAIC VALLEY SEWERAGE COMMISSIONERS
APPLICATION FOR A SEWER CONNECTION PERMIT

SECTION A

1.	Company Name - Kleen Kast, Division of	POC, Inc.
2.	Permit number if applicable, 15405032	
3.	Location: 450 Schuyler Avenue, Kea	nny, Ng
	Zip Code: 07032	
4.	Mailing Address:	······································
	Zip Code:	
5.	Person to contact concerning information provided	in this application:
	Name of Contact Official: Genald Robins	
	Title: Plant Managen	Phone No. 201-997-1880
	Address: same as above	Zip Code
6.	Number of Employees - Pull Time: 35 Part	Time:
	Number of Work Days Per Year: 365	·
	Number of Shifts Per Day: /-3	
7.	If property is owned indicate block and lot numbers	: 1028 29 300
	Block #226 Lot, #'a 3,4,11	33
	Assessed Value: \$1,812,600	19 90 8 111
8.	If property is owned indicate block and lot numbers  Block #226 Lot #'A 3,4,//  Assessed Value: \$1,812,600  If property is rented indicate name and address of control of the control of t	owner: Rade Ramin 00
		W Z
•	Total square feet rented:	-
9.	List NJPDES Permit number if applicable,	<i>N9003/3/3</i> and
	Dame of receiving body of water entered VF ann	u Manah

#### SECTION B

W.	AT:	ER	DA	TA

10. Water Source: (Circle all appropriate answers)

Purchased

Well

A N

If Y, is it metered

River

Y-N

If Y, is it metered



11. Name of purchased water supplier: Keanny Water Department - Keanny, NS

List all Acct \$5:5-040-032, 5-040-033, 5-040-034,

5-040-035, 5-040-036

12 Water Received: From Mo. | Yr. | Through Mo. | Yr. | 15

(\* Next to a figure means it is estimated).

lst Qtr.	PURCHASED 2834250	13,017,875 WELL \$	RIVER	15, 38, 25
2nd Qtr.	2092200	13,097,879	0	18/1997812
3rd Qtr.	3949000	218,590,E[	0	16,046,875
4th Qtr.	3212250	13,097,875	0	18,310,135
				·

GRAND TOTAL 66, 412,000

Report in gallons

13. Water Use and Disposition (\* Next to a figure means it is estimated).

	Gallons Sanitary/Combined Sewer	Discharged Stormsewer/ River/Ditch	Gallons Used Other
Sanitary Service Only	3007000	0	
Process Waste Water	4 7,000,000		
Cooling Water	1330000	45,000,000	
Evaporation			#813,000
Contained in the product			0
Other (Describe)			0

14.	Process wastewater which is discharged as above	13 metere	d as tol	lows:	
	to the Separate Sanitary Sewer	A)- M			
	to the Combined Sewer	Y - N			
	to a storm sewer	Y - N	,		
	river or ditch	( A -{ A			
	·	•		•	
15.	Waste Hauler Information: List all firms and/o	r independ	lent co	ntractors used to	
	remove process waste or sludge from this facility	<i>i</i> •			_
	Contractor , Address	le	c#	Waste type handled	
	aday to white the bod	460	354C53	Harte al Elly lathore 16	_ را
	Dayman Cather NJ. 07008	100		Wood	_
	अरुवानी मुख्ये मिन्न किंद्र मिन्न मिन्न निकार			Caraboard	_
Pa	that Delisary Set Emmers Rd. SECTION	IC _		Garbage, metal	
OPE	Inc. Flowers N.J. 07836  RATIONAL CHARACTERISTICS	J	, <b>,</b>	0 )	
		,	:		
16.	Discharge of Industrial Waste is continuous		<del>-   +</del>	<del></del>	
	or intermittent each open	rating day.	•		
	If the discharge is intermittent, it occurs between	n the follo	wing ho	urs:	_
17.	Brief description of Manufacturing or other activ Acetate sheeting and compounding	ity perfori and ext	ned <u>ma</u>	unufacture of Cellulos of Cellulose	Ļ
	Acetate mesins.				•
	List SIC CODE #: 3079		!		-
18.	Principal Raw Materials used: cellulo4e ac	etate.	cellul	lose acetate buturate.	
	acetone, diethyl phthalate, dimet			•	_
	phthalate.		+		
•			,		_
			_		-
19.	Principal Products or Services: cellulose	acetate	plast	ic sheets and resins.	_
					_
					Ĭ
		<del></del>	<del>-   -  </del>		-
			-		-
	3				

### SECTION C (CONTINUED)

20.	Describ	oe seasonal variatio	ons, if significant, giving dates, volu	imes, rates, hours, etc. Include
	variatio	ons in product lines	which affect waste characteristics:	none
		*	usually shut down	
			SECTION D	
МОИ	ITORIN	<u>G</u>		
21.	Describ	e any pretreatment	process or effluent monitoring system	m in use:
	Outlet_	15405031	no pretreatment proces	
	Outlet_	15405032	no pretreatment process	
	Outlet_			
22.	Samplin	ng information:		
Cutle	<u>et</u>	Contains Ind. Waste	Sampler Type	Refrigerated
1540	1503/	y	Peristaltic composite	y

#### SECTION D (CONTINUED)

#### 23. Volume Information:

Outl	<u>let</u>		etered Y - N)	Туре	Date
540	503/	гррпох. 48,000	y 2" Pa	unshall flume	11/95
24.	Prequency of calibration	ation of each flow me	eter:	per year	
		· · · · · · · · · · · · · · · · · · ·			

- 25. Attach a plot plan of the property showing:
  - (a) all existing or proposed sewer and drain lines (including outlets to a storm sewer, river or ditch);
  - (b) sample point(s); Monitoring or Pretreatment Equipment; Incoming meter(s); Well meter(s); Internal meter(s); Flowmeter(s).
  - (c) details of the connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.

#### SECTION E

#### ANALYSIS OF INDUSTRIAL WASTE

26. Analysis for Industrial Waste must be a proper sample taken for each outlet.

OUTLET NO. 15405031 - 33206 -015

except		nearest unit: XX. indicated with (1) mg/l		except	to the nearest hundredth where indicated les 0.36 mg/l	E D.XX
Code		Parameter	Value	Code	Parameter	Value
0200*		Radioactivity (PL-1)	•	1097*	Antimony (Sb)	
0500		Total Solids	2990.	1002	Arsenic (As)	2,008
0505		Volatile Solids	2780.	1022*	Boron (B)	
0530		Total Suspended Solids	8.0	1027	Cadmium (Cd)	2.010
0540	Vol	tale Suspended Solids	<b>Z</b> 3.0	1034	Chromium Total (Cr)	K,030
0555	(1)(3)	Petroleum Hydrocarbons	1,7	1042	Copper (Cu)	1039
0310		Biochemical Oxygen Demand	20.3	1045*	Iron (Fe)	
		(BOD)	0	1051	Lead (Pb)	K'01 c
0340		Chemical Oxygen Demand	137.	0720*(3)	Cyanide (CN)	
		(COD)	1-1.	1900	Mercury(Report to 0.XX	X)\(\nabla_000')
0680		Total Organic Carbon	38.	1967	Nickel (Ni)	c,040
	•	(TOC)	36.	1147*	Selenium (Se)	
9000		pH (standard unit range)	6.95	1077*	Silver (Ag)	
0610	(1)	Ammonia as N	L0,10	1102*	Tin (Sn)	
0550	(1)(3)	Total Oil & Grease	76.5	1092	Zine (Zn)	V.100
0745*	(1)	Sulfide		2730	Phenol	20,05
0507*	(1)	Ortho Phosphates as P		4053*	Pesticides (Report	
0625*	(1)	Kjeldahi N as N			to 0.XXX)	
9998*	(2)(3)	TTO (Report to 8_XXX)		9999*(3)	TTVO(Report to 0.XXX)	

#### FOOTNOTES:

- (1) Report results to the nearesth tenth, i.e., 1.6 mg/L
- (\*) Analyze for this if reasonably expected to be present in the discharge unless otherwise exampted.
- (2) See instructions.
- (3) Grab sample required.

REVISED 1/87 REVISED 8/89 REVISED 7/90 REVISED 9/94 REVISED 8/95

6

### SECTION E (CONTINUED)

Samples analyzed by: Accredited Laboratories, Inc.  Cantenet, Ng Date: 11 7 75  Products being manufactured when sample was collected: cellulose acetate sheet and nesins  Who performs the analyses of the samples for User Charge?  Accredited Laboratories, Inc.  Is the Laboratory certified by NJDEP to conduct all the analyses? Y-N_y  Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us unknown, so state):	Products being manufactural and neains  Who performs the analyses Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous continu	ed when sample was collected when sample was collected of the samples for User Chartonies, Inc.	Date: 11 7 75  ed: cellulose acetate sheets  rge?  e analyses? Y - N y  eatment Parameters?
Products being manufactured when sample was collected: cellulose acetate sheet and nesins  Who performs the analyses of the samples for User Charge?  Accredited Laboratories, Inc.  Is the Laboratory certified by NJDEP to conduct all the analyses? Y-N_y  Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	Products being manufactural and neains  Who performs the analyses Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous continu	ed when sample was collected when sample was collected of the samples for User Chartonies, Inc.	Date: 11/7/75 ed: cellulose acetate sheets  rge?  e analyses? Y - N y  eatment Parameters?
Products being manufactured when sample was collected:	Products being manufactur  and nexins  Who performs the analyses  Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous continu	of the samples for User Chatonies, Inc.	ed: cellulose acetate sheets  rge?  e analyses? Y - N y  eatment Parameters?
who performs the analyses of the samples for User Charge?  Accredited Laboratories, Inc.  Is the Laboratory certified by NJDEP to conduct all the analyses? Y-N_y  Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	who performs the analyses  Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous co	of the samples for User Chatonies, Inc.  by NJDEP to conduct all the	e analyses? Y - N y eatment Parameters?
Who performs the analyses of the samples for User Charge?  Accredited Laboratories, Inc.  Is the Laboratory certified by NJDEP to conduct all the analyses? Y - Ny  Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	Who performs the analyses  Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous co	tonies, Inc.  by NJDEP to conduct all the	e analyses? Y - Ny_ eatment Parameters?
Accredited Laboratories, Inc.  Is the Laboratory certified by NJDEP to conduct all the analyses? Y-N_y  Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous continu	tonies, Inc.  by NJDEP to conduct all the	e analyses? Y - Ny eatment Parameters?
Accredited Laboratories, Inc.  Is the Laboratory certified by NJDEP to conduct all the analyses? Y-N_y  Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	Accredited Labora  Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not continuous continu	tonies, Inc.  by NJDEP to conduct all the	e analyses? Y - Ny eatment Parameters?
Is the Laboratory certified by NJDEP to conduct all the analyses? Y - N	Is the Laboratory certified  Who performs the analyses  N/A  (If monitoring has not con	by NJDEP to conduct all the	e analyses? Y - Ny
Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	Who performs the analyses $N/A$ (If monitoring has not continuous continuou	of the samples for the Pretr	eatment Parameters?
Who performs the analyses of the samples for the Pretreatment Parameters?  N/A  (If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to us	Who performs the analyses  N/A  (If monitoring has not con	of the samples for the Pretr	eatment Parameters?
		nmenced for Pretreatment,	
Is The Laboratory certified by NJDEP to conduct all the required Pretreatment analyses? $Y - N = N/A$		by NJDEP to conduct all the	e required Pretreatment analyses?

#### SECTION F

TR	BATMENT POUT  40 CFR 463.
In	dustrial Category: Plastics Molding and forming SIC Code 3079
	ubpart (s): A & B
C	ompliance date(s):
Is	facility in compliance? $y_{e4}$ If not, and if compliance date has passed, explain action
	eing taken to get into compliance:
D	ate Baseline Monitoring Report (BMR) submitted to PVSC: 12/94
	ompliance schedule submitted? N/A
If	yes is facility on schedule?Explain if compliance date will not be met:
 D	oes this facility come under the Resource Conservation and Recovery Act (RCRA)?
	Yes
n D	ves, describe: see attached description
_	
H	as this facility ever been cited by NJDEP or EPA for a violation of State or Fede
R	egulations for the nature of its wastewater discharge? Y - N $\underline{y}$
Is	this facility under an ECRA Clean-up? No If so, has a plan been approved by NJDEP:
İs	there any plan to discharge groundwater?
_	
_	

#### **CERTIFICATION \*:**

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing official:	Genald Robins PRINT	
TITLE: Plant Ma	rager	
11-21-95 DATE		SIGNATURE

#### \*APPLICATION MUST BE SIGNED BY ONE OF THE FOLLOWING:

- a. Principal Officer of Corporation
- b. President or Owner of Company
- c. General Partner if a Partnership
- d. Plant Manager or Authorized Representative

#### TABLE 1 EPA PRIORITY POLLUTANTS

NAME		В	C	 	A	<b>B</b> :	С	D
acensorthene		!	1	2,4 dimethylphenol				
acrolein			/	2,4 dinitrotoluene			V	
acrylonitrile			7	2,6 dinitrotoluene			7	
benzene			7	1,2 diphenylhydrazine			7	
benzidine			7	ethylbenzene			7	
carbon tetrachloride			~	fluoranthene			1	
(tetrachloromethane)				4-chlorophenyl phenyl ether			<b>V</b>	
chlorobenzene	T		1/	4-bromophenyl phenyl ether			V.	
1,2,4-trichlorobenzene				bis(2-cloroisopropyl) ether				
hexachlorobenzene	1		7	bis(2-chloroethoxy) methane			V	
1,2 dichloroethane			<b>\</b>	methylene chloride			•	~
1.1.1, trichlorethane				(dichloromethane)				=
hexachloroethane			7.	methyl chloride			V :	
1.1. dichloroethane			7	(chloromethane)	=	===		
1,1,2 trichloroethane			<b>-</b>	methyl bromide			7	
1,1,2,2, tetrachloroethane				(bromomethane)	$\exists$		==	$\equiv$
chlorethane			/	bromoform(tribromomethane,			1	
bis(chloromethyl) ether			√.	dichlorobromomethane			1	
bis(2 chloroethyl) ether				trichlorofluoromethane		$\neg \uparrow$	7	
2-chloroethyl vinyl ether (mixed)			<b>V</b>	dichlorodifuoromethane			7	
2-chloronaphthalene			1/	chlorodibromomethane			1	
2,4,6, trichlorophenol			7	hexachlorobutadiene			7	
parachlorometa cresol			7	hexachlorocyclopentadiene			7	
chloroform (trichloromethane)			✓,	isophorone			7	
2 chlorophenol			V	naphthalene	ī		1	
1,2, dichlorobenzene			<b>V</b>	nitrobenzene			1	
1,3, dichlorobenzene			<b>√</b>	2-nitrophenol	$\neg \uparrow$		d,	
1,4, dichlorobenzene			V	4-nitrophenol			7	
3,3, dichlorobenzidine			V	2,4-dinitrophenol			V	
1,1, dichloroethylene			7	4,6 dinitro-o cresol			V	
1,2, trans-dichloroethylene			✓	N-nitrosodimethylamine			V,	
2.4. dichlorophenol			✓	N-nitrosodiphenylamine			7	
1,2, dichloropropane			<b>V</b>	N-nitrosodi-n-proplyamine	;	T	V	
1,3 dichloropropylene			V	pentachlorophenol	- 1	_ †	7	
(1,3 dichloropropene)			7	phenol	•			V

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### TABLE 1 EPA PRIORITY POLLUTANTS (CONTINUED)

NAME	A	В	C	D		A	B	C	D
bis(2-ethlhexyl) phthalate				1	endrin			<b>√</b>	
butylbenzylphthalate	1		7		endrin aldahyda			7	$\vdash$
di-n-butylphthalate		7			heptachlor			1	<del> </del>
di-n-octylphthalate			7		heptachlor (epoxide)			7	
diethylphthalate	1				BHC Alpha			1	
dimethylphthalate		7			BHC Beta				_
benzo(a)anthracene			<b>Y</b>		BHC Gamma BHC Delta			J	
benzo(a)pyrene			7		BHC Delta				
3,4 benzofluoranthene			✓		PCB-1242			J	
benzolk)fluoranthane			1		PCB-1254				$\overline{}$
chrysene			7		PCB-1221			7	
acenaphthylene			7		PCB-1232			1	
anthracene .			V		PCB-1248 :			7	ī .
benzo(ghi)perylene			1		PCB-1260			V	
Duorene			7	I	PCB-1016				$\overline{}$
phenanthrene			7		toxaphene	1		1	
dibenzo(a,h)anthracene			7		antimony (total)			1	
indeno(1,2,3-c,d)pyrene			1		arsenic (total)			1	
pyrene			<b>V</b>		asbestos (fibrous)				
tetrachloroethylene		-	V		beryllium (total)			V	Γ.
toluene			7		cadmium (total)		V		
trichloroethylene			1		chromium (tótal)		1		
vinyl chloride			4		copper (total)		~	-	
aldrin				- 1	cyanide (total)			V	
dieldrin			7]		lead (total)		V		
chlordane			<u> </u>		mercury (total):		V		-
4.4 DDT			1		nickel (total)			V	
4,4 DDE	- I. I		1		selenium (total):		7		J
4,4 DDD			~		silver (total)		$\neg$	V	
endosulian l			7		thallium (total):	i		7	
endosulian II			1		zinc (total)		1		
endosulian sullate			V		2,3,7,8, tetrachlorodibenzo			7	
				- #	p-dioxin			7	-

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABBERT
- D. SUSPECTED TO BE ABSENT

#### TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

HAME	A	В	С	D		A	В	С	D
acrylamide			/		n,n-dimethyl aniline		; i i	/	
amitrole			1		3,3-dimethyl benzidine		:	<b>V</b>	
amyl alcohols			1		1,1-dimethylhydrazine			<b>V</b>	
anilne hydorchloride			1		dioxane			<b>\</b>	
antiole			1		diphenylamine	1		<b>✓</b>	
auramine			1		ethylenimine	Ī			
benzotrichloride			V		hydrazine			<b>V</b>	
benzylamine			V		4,44methylene bis				
			17		(2-chloroaniline)			-	
o-chloroaniline			17		4,44-methylenedianiline			<b>V</b>	
m-chloroaniline			1		methyl isobutyl ketone		:	7	Ī
p-chloraniline			V		alpha-naphthylamine		!	7	
1-chloro-z-nitropenzene			IV		beta-naphthylamine			1	$\Box$
1-chloro-4-nitrobenzene			1		n-methylaniline			V	
chloroprene			<b>√</b>		1,2-phenylenediamine			V.	
chrysoidin <b>e</b>		<u> </u>	<b>√</b>		1,3-phenylenediamine			<b>V</b>	
cumene			V		1,4-phenylenediamine			1	
2,3-dichloroaniline			<b>V</b>		sudan 1 (solvent yellow 14)		<b>V</b>		
2,4-dichloroaniline		T	<b>✓</b>		thiourea			V	
2,5-dichloroaniline			V		toluene sulfonic acids			V	
3,4-dichloroaniline			<b>V</b>		toluidines		1		
3,5-dichloroaniline			<b>V</b>		xylidines -	1 -	1		
1,3-dichloropropene			V			·	!		
1,3-dimethoxybenzidine			17		<u> </u>	1	;	1	ł

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### TABLE 3 EPA HAZARDOUS SUBSTANCES

	7	1			T			i	
NAMIR	A	В	С	D		A	В	C	Ð
acetaldehyde			V		isopropanolamine			$\checkmark$	
allyl alcohol			V		kelthane			7	
allyl chloride			7		kepone			✓	
amyl acetate					malathion			<b>✓</b>	
aniline			1		mercaptodimethur			<b>V</b>	
benzonitrile			1		methoxychlor			<b>V</b>	
benzyl chloride			1		methyl mercaptan	1		1	
butyl acetate	1		₹,		methyl methacrylate			<b>V</b> .	
butylamine			7		methyl parathion			7	
captan	7-		V		mevinphos			J.	
carbaryl			7		mexacarbate			7	
carbofuran			7		monoethyl amine			1	
carbon disulfide			I		monomethyl amine			7	
chlorpyrifos			1		naled			7	
coumaphos			V		napthenic acid			1	
cresol			V		nitrotoluene				
crotonaldehyde	7		1		parathion				
cyclohexane	1		J		phenolsulfanate			7	
2,4-D (2,4-dichlorophenoxy			1		phosgene			1	
acetic acid)		-	1		propargite			1	
diazuion			7		propylene oxide			Ž	
dicamba			7		pyrethrins	<u> </u>		1	
dichlobenil			V		quinoline			7	
dichlone		Ī	J		resorcinol			7	L
2,2-dichloropropionic acid	T		$\Box \lor$		strontium	1		1	
dichlorvos			V		strychnine	j		7	
diethyl amine			1		stryrene			7	
dimethyl amine			7		2,4,5-T (2,4,5-trichloro-			1	
			1		phenoxy acetic acid)				
dinitrobenzene			$\Box J$		TDE (tetrachloro-				
			V		diphenylethane)			<b>-</b> =	
diquat			V		2,4,5-TP 2-(2,4,5-				
					trichlorophenoxy)		<u>†</u>	}	
			V		propanoic acid	-		V	
disulfoton	$\mathbf{I}$		V		trichlorofon			1	
diuron			V		triethylamine			V	
epichlorohydrin	T		1		trimethylamine			V	
	i			1			1	: 1	ı

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
  D. SUSPECTED TO BE ABSENT

#### TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

NAME	A	В	С	D		A	В	С	D
ethanolamine		1			uranium			1	i
ethion			7		vanadium			V	
ethylene diamine			7		vinyl acetate				
ethylene dibromide			7		xylene			7	
formaldehyde			7		xylenol				
furfural			7		zirconium			7	
guthion			1						
isoprene			7			Ī	1	1 1	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. ENOWN TO BE ABSENT
  D. SUSPECTED TO BE ABSENT

This Discharge Prevention, Containment and Countermeasure (DPCC) Plan has been prepared by Kleer Kast located in Kearny, New Jersey. This facility is in operation 24 hours a day, 7 days a week. The primary products produced at this facility are conversion of cellulose acetate yarn or flake to cellulose acetate sheet and conversion of plastic flake to plastic pellets. Materials used in the production of these products include: cellulose acetate, cellulose acetate butyrate, acetone, diethyl phthalate, dimethyl phthalate and dibutyl phthalate. This Plan describes procedures and equipment in place to prevent and control discharges of hazardous substances, as defined by N.J.A.C. 7:1E-1.7, in aboveground tanks and containers. Based on the total hazardous substance storage capacity of 39,000 gallons, Kleer Kast is considered a "major facility" as defined by N.J.A.C. 7:1E-1.6 and is therefore required to meet the standards for discharge prevention and control as described in N.J.A.C. 7:1E. A schedule for upgrading the facility to fully meet these standards is provided in Section 11.0 of this Plan.

This facility operates no underground storage tanks, transmission pipelines, marine transfer facilities, or mobile storage tanks. The aboveground pipelines at the facility are used to convey raw materials and intermediate products between storage tanks, processing vessels and other integral parts of this manufacturing facility.

The hazardous substance storage areas addressed in this Plan are described in detail in Section 3.0 of the DPCC Plan. Additional information contained in this Plan, as required by N.J.A.C. 7:1E-4.3, includes the following:

- The name, telephone number and location of the facility, including street and mailing address, county, municipality, tax lot and block number, and the coordinate centroid in the New Jersey State Plane.
- The name(s), telephone number(s) and business address(es) of the owner or operator of the facility.
- A general site plan of the facility at a scale of one inch equals 50 feet, showing the location of storage tanks, drum storage areas, process buildings, transfer areas, structures used for the prevention of discharges, and all facility fencing and gates.
- A description of all hazardous substance storage areas and a schedule for testing and maintenance or reconstruction, pursuant to N.J.A.C. 7:1E-2.2.
- A description of truck loading and unloading areas, pursuant to N.J.A.C. 7:1E-2.3.
- A description of all secondary containment or diversion systems, including their capacity and materials of construction, pursuant to N.J.A.C. 7:1E-2.6.
- A description of all leak detection and monitoring procedures, pursuant to N.J.A.C. 7:1E-2.10.
- An outline of the housekeeping and maintenance program, pursuant to N.J.A.C. 7:1E-2.11.
- An outline of the personnel training program, pursuant to N.J.A.C. 7:1E-2.12.
- A description of the physical security measures at the facility, pursuant to N.J.A.C. 7:1E-2.13.
- A catalog list of all standard operating procedures that will be written pursuant to N.J.A.C. 7:1E-2.14.
- A description of the recordkeeping system employed by the facility, pursuant to N.J.A.C. 7:1E-2.15.

### ACCREDITED LABORATORIES, INC.

Implementing Tomorrow's Technology, Today.™.

#### Analytical Data Report

for

KleerKast 450 Schuyler Ave. Kearny, NJ 07032

Project: 95 Pvsc (Monthly Compliance) 1995

Accredited Laboratories Case No.: 4914 Date Received: 11/02/95

Field ID

Laboratory Sample #

COMP

9516055

Accredited Laboratories, Inc. New Jersey Certification Number 12007. This data has been reviewed and accepted by:

Yun-shen Lee, Ph.D.// Technical Director

**CORPORATE OFFICES:** Foot of Pershing Avenue

800-254-LABS P.O. Box 369

908-541-2025 Carteret, New Jersey

FAX 908-541-1383 07008-0369

COMMITMES

## ACCREDITED LABORATORIES, INC. P.O. BOX 369, FOOT OF PERSHING AVENUE

#### CHAIN OF CUSTODY FORM

CARTERET, NEW JERSEY 07008-0369 PHONE: (908) 541-2025 / (800) ALI-LABS FAX: (908) 541-8257 / 1383 KLEER KAST 450 SCHUYLER AUE 2011 991-1880 KEARNY DATE TIME SAMPLE DESCRIPTION SAMPLED SAMPLE DESCRIPTION SAMPLED SAMPLE DESCRIPTION 1/2/95 PEIDED: ALL SAMPLE # 9516055 BOD, TSS A=AQUEOUS S=SOIL G=SLUDGE P=POTABLE WATER: O=QIL F=FILTER Z K=SQLID X=QTHER "M = MATRIX C = NO CONTAINERS TURNAROUND: (If Blank, Std. 3 weeks) DELIVERABLES (circle one) STD REDUCED **FULL** NY-ASP CLP I CLP II RELINOUISHED BY: RECEIVED BY ORGANIZATION FOR THE STATE OF PRINT. VOSE R Bodriques PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING:

ADADOTE E	X Rollyn	
	C-4914	

#### INSTRUCTIONS FOR SUBMITTING SAMPLES:

- 1. Laboratory must be notified prior to submission of samples.
- 2. Damaged containers (transportation coolers or individual sample containers) will not be accepted.
- 3. Chain of Custody (or similar) must accompany samples, complete with:

2516955

- a. Client name, business address, phone and FAX numbers.
- b. Sample Field ID's, clearly traceable to sample(s). Please limit Field ID's to 10 characters.
- c. Date and time each sample was taken.
- d. Turnaround time requested (if not specified, standard will apply).
- e. Data deliverables requested (if not specified, standard will apply).
- f. Matrix of each sample.
- g. Number of containers of each sample.
- h. Description of sample(s).
- i. Analyses requested (if specific methods not requested, current laboratory protocols shall be applied).
- j. Person assuming responsibility for sampling.
- k. Name with signature relinquishing sample(s) to lab personnel.
- 1. ALI SAMPLE NO. IS TO BE LEFT BLANK BY CLIENT/SAMPLERS
- 4. Purchase Order Number must be supplied with samples and payment does not accompany samples.
- 5. Laboratory reserves the right to refuse acceptance of any sample which in the lab's sole discretion is of insufficient volume or has exceeded applicable holding times for analyses requested, or is not accompanied by the information listed above.
- 6. ANY CHANGES TO A PROJECT ONCE SUBMITTED (CHANGES IN ANALYSES REQUESTED, METHODS TO BE USED, TURNAROUND, DATA UPGRADE, ETC...) MUST BE SUBMITTED IN WRITING TO THE LABORATORY. NO CHANGES WILL BE MADE ON VERBAL DISCOURSE. FACSIMILE TRANSMISSION IS ACCEPTABLE.
- 7. ALI Quote numbers must be supplied with change of custody form.

Programme Control of the Control

#### METHODOLOGY SUMMARY

Biochemical Oxygen Demand - EPA 405.1 (5 days, 20°C)

A portion of well-mixed sample, or it's appropriate dilution, is incubated for 5 days at 20°C in the dark. The reduction in dissolved oxygen concentration during the incubation period yields a measure of biochemical oxygen demand. If an inhibiting chemical is used in the test, the oxygen demand measured is reported as carbonaceous demand (CBOD). The difference between oxygen demand (BOD) and carbonaceous demand (CBOD) is reported as nitrogenous demand (NBOD).

Residue, Non-Filterable or Total Suspended Solids - EPA Method 160.2 (aqueous)

A representative sample is filtered through a glass fiber filter. The residue retained on the filter is dried to a constant weight of 103-105°C. The weight increase on the filter is defined as total suspended solids.

# ACCREDITED LABORATORIES, INC. GENERAL CHEMISTRY ANALYSIS DATA

Case #:	4914	Matrix:	Aqueous	
Sample #:	9516055	Date Received:	11/02/95	
lient Name:	KLEERKAST			
ield Number:	COMP			

				DILUTION	METHOD B	LANK	ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MOL	DATE
				•			44.00.00
BOD-5	80.3	4.0	mg/L	1.	ND	2.0	11/08/95
Solids, Total Suspended	8.0	2.0	mg/L	1.	ND	2.0	11/07/95

NON 50 1895



## ACCREDITED LABORATORIES, INC.

Implementing Tomorrow's Technology, Today.''.

#### Analytical Data Report

for

KleerKast 450 Schuyler Ave. Kearny, NJ 07032

Project: 95 Pvsc (Application Renewal)

Accredited Laboratories Case No.: 4915
Date Received: 11/02/95

Field ID	Laboratory Sample #
COMP	9516056
GRAB	9516057

Accredited Laboratories, Inc. New Jersey Certification Number 12007. This data has been reviewed and accepted by:

> Yun-shen Lee, Ph.D. YS Technical Director "/

CORPORATE OFFICES: Foot of Pershing Avenue

800-254-LABS P.O. Box 369 908-541-2025 Carteret, New Jersey FAX 908-541-1383 07008-0369

COMMENTS

#### **CHAIN OF CUSTODY FORM**

ACCREDITED LABORATORIES, INC.	
P.O. BOX 369, FOOT OF PERSHING AVENUE	
CARTERET, NEW JERSEY 07008-0369	
PHONE: (908) 541-2025 / (800) ALI-LABS	*
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PERSON(S) ASSUMII	NG HESPONSIBII	LITY FOR	SAMPLING:	TAINT: U USC	1110014	בשבי:SIGN)	De 1 74	mes

#### INSTRUCTIONS FOR SUBMITTING SAMPLES:

- 1. Laboratory must be notified prior to submission of samples.
- 2. Damaged containers (transportation coolers or individual sample containers) will not be accepted.
- 3. Chain of Custody (or similar) must accompany samples, complete with:

9516655

- a. Client name, business address, phone and FAX numbers.
- b. Sample Field ID's, clearly traceable to sample(s). Please limit Field ID's to 10 characters.
- c. Date and time each sample was taken.
- d. Turnaround time requested (if not specified, standard will apply).
- e. Data deliverables requested (if not specified, standard will apply).
- f. Matrix of each sample,
- g. Number of containers of each sample.
- h. Description of sample(s).

9515057

- i. Ahalyses requested (if specific methods not requested, current laboratory protocols shall be applied).
- j. Person assuming responsibility for sampling.
- k. Name with signature relinquishing sample(s) to lab personnel.
- 1. ALI SAMPLE NO. IS TO BE LEFT BLANK BY CLIENT/SAMPLERS
- 4. Purchase Order Number must be supplied with samples and payment does not accompany samples.
- 5. Laboratory reserves the right to refuse acceptance of any sample which in the lab's sole discretion is of insufficient volume or has exceeded applicable holding times for analyses requested, or is not accompanied by the information listed above.
- 6. ANY CHANGES TO A PROJECT ONCE SUBMITTED (CHANGES IN ANALYSES REQUESTED, METHODS TO BE USED, TURNAROUND, DATA UPGRADE, ETC...) MUST BE SUBMITTED IN WRITING TO THE LABORATORY. NO CHANGES WILL BE MADE ON VERBAL DISCOURSE. FACSIMILE TRANSMISSION IS ACCEPTABLE.
- 7. ALI Quote numbers must be supplied with change of custody form.

#### METHODOLOGY SUMMARY

#### Chemical Oxygen Demand - EPA 410.4 (colorimetric)

A well-mixed sample in a sealed tube is heated in an oven in the presence of dichromate at 150°C. After two hours, the tube is removed and cooled. The measurement of COD is determined spectrophotometrically.

#### Mineral Suspended Solids - Modified EPA Method 160.2 (aqueous)

A representative sample is filtered through a glass fiber filter. The residue retained on the filter is dried to a constant weight of 103-105°C. The residue is ignited at 550°C for one hour in a muffle furnace. The remaining residue is defined as mineral suspended solids in the sample.

#### Metals (aqueous)

A 100 ml portion of aqueous is digested with nitric acid on a hot plate and evaporated to near dryness cautiously. The digestate is then refluxed with either nitric acid or hydrochloric acid. Diluted hydrochloric acid is used as the final reflux acid for the flame AA or ICAP of Ag, Al, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Ni, Sb, Sn, Tl and Zn. Diluted nitric acid is employed as the final dilution acid for the furnace AA analysis of As, Pb and Se. For the graphite furnace analysis, an aliquot of the digestate is spiked with modifier solution and is placed into the graphite furnace. The aliquot is then slowly evaporated to dryness, charred The absorption of the EDL radiation during and atomized. atomization is proportional to the element concentration. For the flame AA, the digestate is aspirated and atomized into a flame. The absorption of the HCL radiation during atomization is proportional to the element concentration. The basis of the ICAP method is the measurement of the atomic emission by an optical spectroscope technique. The emission spectra are dispersed by a grating spectrometer and the intensities of the line are measured and processed by a computer system. For mercury analysis, a 100 ml portion of sample is digested with potassium permanganate and persulfate at acidic conditions in a water bath at 95°C. mercury in the sample is reduced to the elemental state and detected by the cold vapor technique in a closed system. The analytical procedures associated with the Atomic Absorption technique are derived from "EPA Methods for Chemical Analysis of Water and Wastes" - EPA Method 200 Series. The analytical procedures associated with ICAP techniques are derived from EPA Method 200.7.

#### Ammonia, Nitrogen - EPA 350.3 (aqueous)

The ammonia is determined potentiometrically using an ion selective ammonia electrode and a specific ion meter.

#### Phenolics - EPA 420.1 (aqueous)

The aqueous sample is distilled in a distillation apparatus specified in the method. The phenolic material is reacted with 4-aminoantipyrine in the presence of potassium ferricyanide at a pH of 10 to form a stable reddish-brown antipyrine dye. The amount of color produced is a function of the concentration of phenolic material.

#### Total Organic Carbon - EPA Method 415.1 (aqueous)

Organic Carbon is converted to CO2 by catalytic combustion or wet chemical oxidation. The CO2 can be measured directly by an infrared detector. The amount of CO2 or CH4 is directly proportional to the concentration of carbonaceous material in the sample.

#### Total Mineral Solids - Modified EPA 160.3 (aqueous)

A well mixed aliquot of sample is quantitatively transferred to a pre-weighed evaporating dish. The sample is evaporated to dryness at 103-105°C. The residue is ignited at 550°C for one hour in a muffle furnace. The remaining residue is defined as total mineral solids in the sample.

#### Total Residue or Total Solids - EPA 160.3 (aqueous)

A well mixed aliquot of sample is quantitatively transferred to a pre-weighed evaporating dish. The sample is evaporated to dryness of 103-105°C. The remaining residue is defined as total residue or percent solid in the sample.

#### Oil and Grease - EPA Method 413.1 (aqueous)

Approximately one liter of sample is acidified to pH <2. The acidified sample is serially extracted with fluorocarbon-113 in a separatory funnel. The residue after the solvent has evaporated is determined gravimetrically.

#### pH - EPA 150.1 (aqueous)

The pH of a sample is determined electrometrically using either a glass electrode in combination with a reference potential or a combination electrode. The procedure is conducted according to EPA "Methods for Chemical Analysis of Water and Wastes", 1983.

#### Petroleum Hydrocarbons - EPA 418.1 (aqueous)

An acidified one liter portion of aqueous sample is serially extracted with fluorocarbon 113. Interferences are removed with silica gel adsorbent. Infrared analysis of the extract is performed by direct comparison with standards.

## ACCREDITED LABORATORIES, INC. INORGANIC ANALYSIS DATA SHEET

Case #:	4915	Matrix:	Aqueous
Sample #:	9516056	Date Received:	11/02/95
Field ID:	COMP		
Client Name:	KLEERKAST		

=======================================			========			
		Result	MDL	Dilution		Date
CAS No.	Element	UG/L	UG/L	Factor	Method	Analyzed
				=======		
7440-38-2	Arsenic	ND	8.00	1	F	11/08/95
7440-43-9	Cadmium	ND	10.0	1	P	11/07/95
7440-47-3	Chromium	ND	30.0	1	P	11/07/95
7440-50-8	Copper	39.8	30.0	1	P	11/07/95
7439-92-1	Lead	ND	10.0	1	F	11/09/95
7439-97-6	Mercury	ND	.500	1	CV	11/07/95
7440-02-0	Nickel	ND	40.0	1	Р	11/07/95
7440-66-6	Zinc	ND	100	1	Р	11/07/95

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

#### ACCREDITED LABORATORIES, INC. INORGANIC ANALYSIS DATA SHEET

Sample #:	PBW294	Matrix:	Aqueous
field ID:	PREPBLANK	Date Prepared: _	11/03/95

		Result	MDL	Dilution		Date
CAS No.	Element	UG/L	UG/L	Factor	Method	Analyzed
7440-38-2	Arsenic	ND	8.00	:=====================================	======= F	11/08/95
7440-43-9	Cadmium	ND	10.0	1	₽	11/07/95
7440-47-3	Chromium	ND	30.0	1	P	11/07/95
7440-50-8	Copper	ND	30.0	1	Р	11/07/95
7439-92-1	Lead	ND	10.0	1	F	11/08/95
7439-97-6	Mercury	ND	.500	1	CV	11/07/95
7440-02-0	Nickel	ND	40.0	1	P	11/07/95
7440-66-6	Zinc	ND	100	1	P	11/07/95

ND - Element analyzed for but not detected.

P - Analyzed by ICP

CV - Analyzed by Cold Vapor

F - Analyzed by GFA

A - Analyzed by flame AA

### ACCREDITED LABORATORIES, INC. GENERAL CHEMISTRY ANALYSIS DATA

Case #:	4915
Sample #:	9516056
Client Name:	KLEERKAST
Field Number:	COMP

Matrix:	Aqueous
Date Received:	11/02/95

				DILUTION	METHOD BLANK		ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MOL	DATE
Chemical Oxygen Demand	139.	1.0	mg/L	1.	ND	1.0	11/07/95
Mineral Soluble Solids	ND	2.0	mg/L	1.	ND	2.0	11/08/95
Nitrogen, Ammonia	ND	0.10	mg/L	1.	ND	0.10	11/07/95
Phenols, Total	ND	0.05	mg/L	1.	ND	0.05	11/07/95
Total Organic Carbon	38.	1.	mg/L	1.	ND	1.	11/04/95
Total Mineral Solids	2780.	2.0	mg/L	1.	ND	2.0	11/08/95
Solids, Total	2990.	2.0	mg/L	1.	ND	2.0	11/08/95

# ACCREDITED LABORATORIES, INC. GENERAL CHEMISTRY ANALYSIS DATA

Case #:	4915	Matrix:	Aqueous
Sample #:	9516057	Date Received:	11/02/95
Client Name:	KLEERKAST		
Field Number:	GRAB		

				DILUTION	METHOD BLANK		ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MDL	DATE
Oil and Grease	76.5	1.2	mg/L	1.	ND	1.0	11/09/95
PH	6.95		s.u.	1.			11/02/95

#### Accredited Laboratories, Inc. Total Petroleum Hydrocarbon Analysis

Client: KleerKast

Case #: 4915 Analyst: OD Matrix: Aqueous

Date Received: 11/02/95 Date Analyzed: 11/09/95

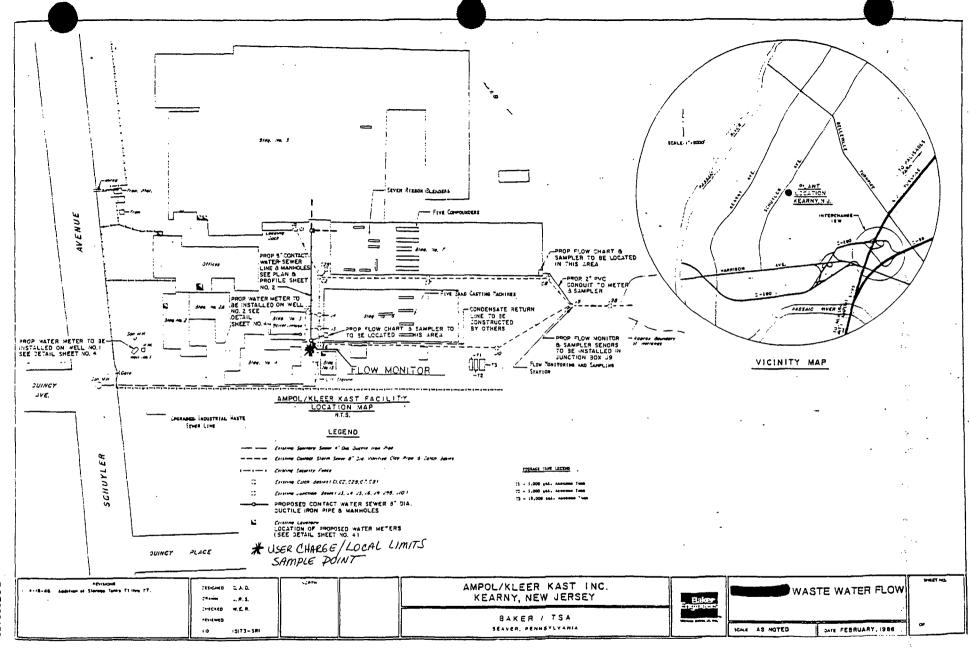
=======						======
Field #	Sample #	Amount Used(ml)	DF	ABS	Result mg/L	MDL mg/L
=======	:==== <b>===</b>				**========	
GRAB	9516057	850	1	4	1.7	0.6

Response Factor = 0.3513430

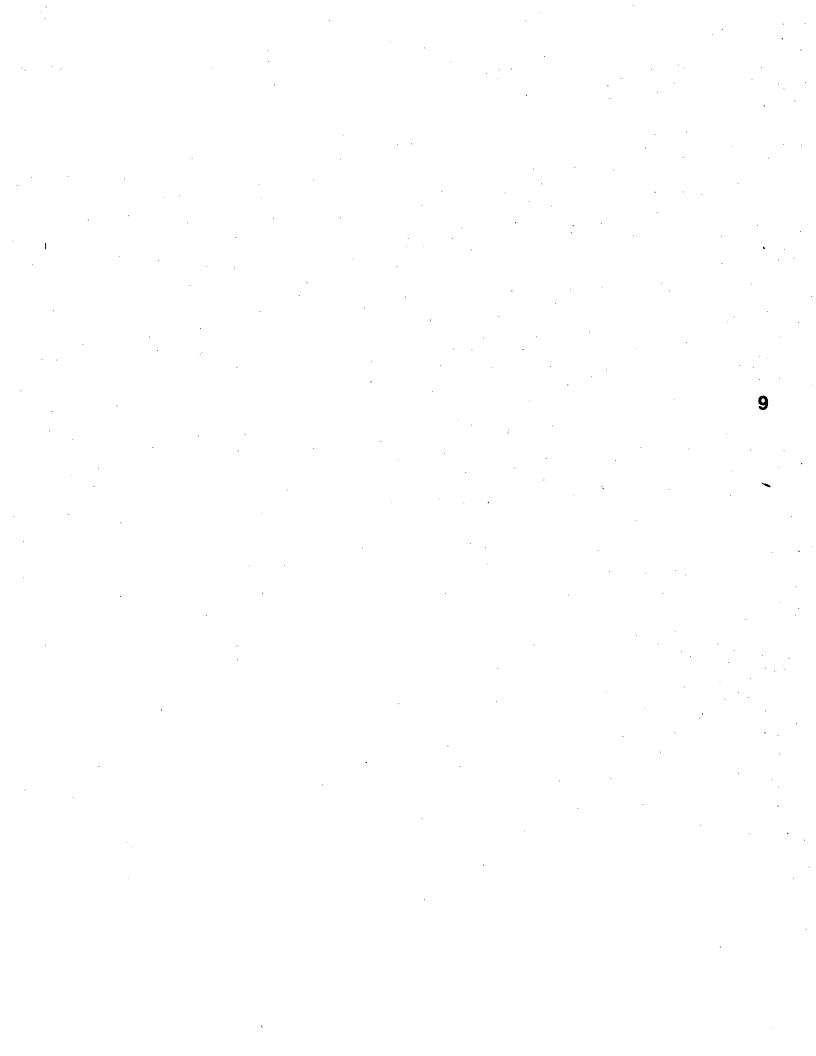
DF = Dilution Factor ABS = Absorbance

Method Blank:

< 0.5 mg/L



PCF000159



#### State of New Ferben DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES TRENTON NEW JERSEY 08625

Arnold Schiffman Director

CO

March 12, 1982

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Philip Melli, President Kleer Kast, Inc. 450 Schuyler Avenue Kearny, New Jersey 07032

Re: Compliance Evaluation Inspection NPDES Permit No. NJ 0031313

Dear Mr. Melli:

On January 28, 1982, representatives of this Department conducted a NPDES Compliance Evaluation Inspection at the Kleer Kast Corp. in Kearny, NJ. A copy of the inspection report is enclosed for your information.

This inspection and the analysis of wastewater collected from Discharge #001 found the Kleer Kast Corp. in violation of the conditions of NPDES Permit No. NJ 0031313. The following violation was noted:

Excessive amounts of TOC (17-6 MG/1) in discharge.

Kleer Kast, Inc. is therefore directed to correct this violation and to submit a written report to this office within thirty (30) days of receipt of this letter detailing the corrective action taken. Please send a copy of this report to Dr. Richard A. Baker, Permits Administration Branch, USEPA, 26 Federal Plaza, New York, NY 10278.

If you have any questions, please contact this office at (201) 648-2200.

Very truly yours,

Thomas B. Harrington

Supervisor of Field Operations

Thomas B. Harrington

Region I

Enforcement and Regulatory

Services Element

A54:G25

cc: USEPA



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES P.O. Box 2809 Trenton, N.L. 08625



	DISCHARGE SURVEILLANCE REPORT
	PERMIT 4: N.J. 003/313 NO. OF DISCHARGES: 001 CLASS: MIN. IND
	DISCHARGER: KLEER KAST INC
	owner: About
	MUNIC: KEARNY COUNTY: HUDSON WATERSHED CODE: LP
	LOCATION: 450 SCHUYLER AVE
	RECEIVING WATERS: FOSSAIC RIVER STREAM CLASS: TW-3
	LIC. OPERATOR 6 PLANT CLASS:
	TRAINEE/ASST:OTHER INFO:
	MAJOR DEFICIENCIES NOTED: TOC EXCESSIVE
	THE OF THE PARTY O
-	OVERALL RATING:
	EVALUATOR: KOSS S WHARTON TITLE FUN COMPLIANCE INVESTIGATOR
3	INFORMATION FURNISHED BY: (name) PI+ILIP MELLI
	(title) TRES KLEER KASI (organization) ABOVE
	DATE OF INSPECTION: 1/28/82

HATTOMAL POLLUTION DESCHARGE D. INITIATION SYSTEM APPLICATION HARES APPLICATION FOR PERRIT TO DISCHARGE - SHORT FORM C DATE MECETYED To be filed only by persons engaged in manyfecturing and wining not attempt to complete this form before reading accompanying instructions File Please print or type 1. Now, endroyse finestor, and telephone mount of facility producing discharge A. Name KLEER KAST. INC. B. Helling Barrer P. O. BOX 514, Kearny, NJ 07032 NJ Kearny J. State \_ 4, County Hudson 07032 C. Location 1. Street 450 Schuyler Ave. Z. City Kearny J. County Hudson . NJ 4. State ... D. Telephone No. 201 997-1880 Area 2. 510 JUN 7 1977 48 3. Number of employees. If all your waste is discharged into a publicly owned waste treatment famility and to the best of your knowledge you are not required to obtain a discharge permit, proceed to item 4. Otherwise proceed directly to alom 5. State of New Journ Dept. Environmental Protection Division Water Resources 4. If you meet the condition stated above, check here and supply the information asked for below. After completing these items, please complete the date, title, and signature blocks below and return this form to the proper reviewing office. without completing the remainder of the form. A, Name of organization responsible for receiving waste... B, Facility receiving waste: 1. Name . 7. Street address .. 4. County \_ 6. ZIP . 5. #Principal product, Draw material (Check one) Callulose Acatata film
5. Principal process Sheet extrusion and solvent band casting Acetate film and sheet 7. Maximum amount of principal product produced or raw material consumed per (Check one) 200-409 1-99 . 100-199 500-999 1000-5000 -9999 10,000-60,000 B#516 (5) (1) (2) (3) (4) (6) (7) (6) A. Day 6,000 8, Month Tear 80A Poro 7980-8 (Ber. 3-14) BESTING SOITION ME'S BU UNE HALLE PADGET IN SEMPTIMES

8. Maximum amount of pr in item 7, above, is		<b>A</b>								**************************************
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A. 25 pounds	B.D tons	C.O barrel		ushels	E.D square	est				
F.D gallons	G. p pieces	or units	H. D other	, specify _	<del></del>					
9. (a) Check here if di			<b>20</b> , or							
(b) Check the month(	s) discharge	e occurs:								
1.0 January	2.0 Februar	y 3.o∺	erch 4.E	3 April	5.D May	6.p Ju	iue			
7.0 July 8.	D Augus t	9. p Septem	her 10,6	3 October	11.D Nove	nève r	12.0	) Decer	ber	
(c) Check how many d	•	: 1,01	2.02-3	3.0 4-9	4,246-7	,				
10. Types of waste wate			waters only	(check as	applicable)					
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Discharge per		7 10W, <b>G</b> 811	or a ber over a	army vay			lischar	ging (	percent	:)
operating day	0,1-999	1000-4999	5000-9999	10,000-	50,000- or more	Hone	0.1- 29.9	30- 64,9	65-	9
	(1)	(2)	(3)	49, <del>9</del> 99 (4)	(5)	(6)	(7)	(8)	94.9	ď
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C. Process water, daily average		ĺ	Ì		7,00	Х				
O. Maximum per operat-	1	<u> </u>							<u> </u>	_
ing day for total discharge (all types	,	l			655,00	)				
Waste water is	-	0.1-999	1000-4		allons per c		ng day 0-49,9		,000 6	
discharged to:		(1)	(2)		(3)	,	(4)		(5)	
A. Municipal sewer syst	em				<del></del>			$\neg \uparrow$		
B. Underground well		~~ <del>~~~~~</del>	7							
C. Septic tank		<del></del>								
D. Evaporation legoon of	r pond									
E. Other, specif,			1		**********					
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Kaskine of the

File NPOBS

P. O. Box 514, 450 Schuyler Avenue, Kearny, New Jersey 07032 (201) 9974880

November 1, 1977

NOV 7 1977

Assistant Director for Operations & Enforcement Division of Water Resources New Jersey Department of Environmental Protection P. O. Box 2809 Trenton, NJ 08625

Common at the Properties of Common Water Resources

Dear Sir:

i would like to make only one comment in reference to my application to discharge water (a copy of the Joint Public Notice and Draft Permit are enclosed).

I had originally estimated that the volume of cooling water discharged daily was 450 gals/Min (or 648,000 gals/day). The well water pump manufacturer has informed me that this pump is capable of pumping only 195 gals/Min (or 280,800 gals/day). I rechecked the flow with 55 gallon drums; I found that the actual flow of water is only a little less than that. There is no change in the process water discharged per day of 7,000 gallons.

in the records I will have to keep and in the reports I will have to submit, I would like to report the pump capacity of 195 gals/Min (280,800 gals/day) as my average flow. This plant runs 24 hours per day, 7 days per week, all year. There is no discernible change in flow rate. We do not use meters in either the inflow or outflow lines because we do not buy this water.

Yours truly,

KLEER KAST. INC

Philip Malli General Hensper

PM/Ih

DRAFT

Permit No. 11 0001113

### AUTHORIZATION TO DISCHARGE UNDER THE SATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Pederal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq; the "Act").

Kleer Kast. Inc.

is authorized to discharge from a facility located at

450 Schuyler Avenue Kearny, New Jersey

to receiving waters named

Franks Creek

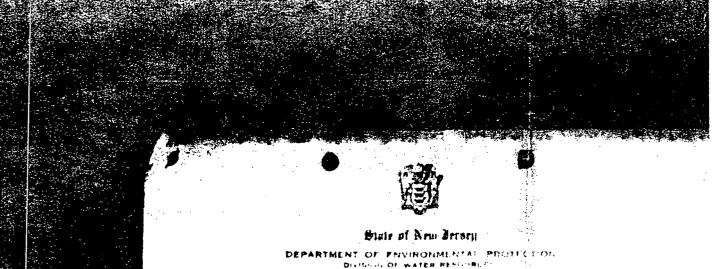
in accordance with affilient limitations, monitoring requirements and other conditions hat forth in Parts I, II, and III hereof.

This parmir shall become effective on EDP,

Thin permit and the authorization to discharge shall expire at midnight, there is wears.

By authority of Gorald H. Hannlar, P.B., Regional Administrator.

figured thin day of



DIVISION OF WATER RESCORDED # 10 Mile 1954

THENTON NEW JERÄRT STAFF

Meyer Scolnick, Director Enforcement and Regional Counsel Division U. S. Environmental Protection Agency Region II 26 Federa\_ Plaza New York; New York 10007

AUG \_1 1977

Re: Certification National Pollutant Discharge Elimination System Kleer Kast, Incorporated Kearny, Hudson County, New Jersey NJ 0031313

Dear Sir:

This letter serves to inform you that the State of New Jersey Department of Environmental Protection intends to certify, pursuant to Section 401 of the Federal Water Pollution Control Act Amendments of 1972 (the Act), the discharge of Kleer Kast, Incorporated, Kearny, Hudson County, New Jersey which is the subject of Federal Application No. NJ 0031313. Certification for this application was requested by EPA Region II in a letter dated July 18, 1977. A copy of a tentative draft permit was also provided with the certification request.

It is understood that such notice of the NJDEP intent to certify will be in conjunction with the notice of the EPA Region II intent to issue NPDES permit and that NJDEP will be provided copies of such conjunctive notice and properly advised by EPA of any procedures or actions resulting from such notice.

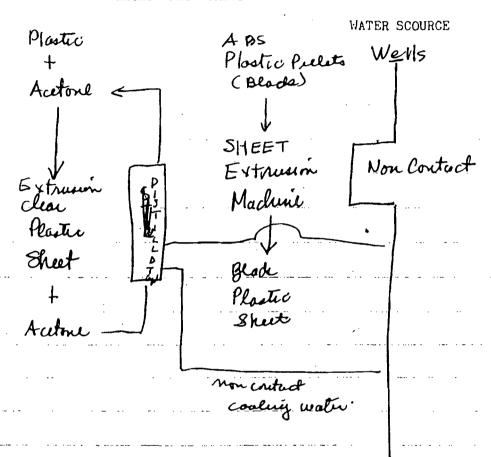
The above would appear to satisfy the requirements of Section 401 of the Federal Water Pollution Control Act Amendments of 1972 regarding public notice for certification.

This letter is also intended to serve as certification according to the provisions of Section 401 of the Act with respect to Sections 301, 302, 306 and 307. It is understood that the preliminary draft permit sent to this Department on July 18, 1977 includes the appropriate requirements of Sections 301, 302, 306 and 307.

If NJDEP is not advised of any intended action by EPA Region II or intended action by Kleer Kast, Incorporated resulting from this notice and receives no direct response deemed substantial for initiating further action, including a hearing, regarding certification, it will, after expiration of the dates provided in the notice, deem this letter a final 401 certification for the subject application. Richard E. Bellis, Assistant Director Pollution Control, Monitoring Surveillance and Enforcement Element E63:G19 cc: Kleer Kast, Inc.
Division of Fish, Game & Shellfisheries
Rackensack Meadowlands Development Commission Passaic Valley Sewerage Commissioners

LATE 1/4/78 NJL REPRESENTATIVE gmas wich	_000003
NIJE Kleer Kost NIDES NO NJ 003/313	en de la Arricha. <del>L</del>
ADDRESS 450 Schuyler ave FHONE (201) 997-1880  Kearny, NT 0 703 i	<del>-</del>
Kearny, NJO7032	
RECEIVING WATERS Frould Creek PASIN Lower Passaro	<u>.</u>
COMPANY REPRESENTATVES M. Philip Milli, Genual Monage.	
	<del>-</del> <del></del>
	<u>.</u>
PRINCIPAL PRODUCTS Plastic Sheet (Cler & Blade)	_
RAW MATERIALS Plastic Pulets, Acetone (Recycled)	<del>-</del>
NO. of EMPLOYEES 48 WATER USEAGE	<del>-</del>
WATER TREATMENT TYPE	_
WASTE TREATMENT TYPE	_
SOLIDS DISPOSAL	_
NPDES PERMIT REQUIREMENTS Permit has not been popular	_
	<del>_</del>
	<del></del>
TENTS	
	<del></del> .
	_
	<del></del>

#### PROCESS FLOW SHEET



DISCHARGE

Frank's Creek

RECEIVING WATERS

Passaic

2.4	6/N/79		17			OMR No 158 NOU.
		MPLIANCE INS	PECTION REPO	RT (Coding last	ructions on back of les	
TANSACTIO	N .	NPDES :	YA	MO DA	TYPE TYPE	
	P M20	SILVI		<u>이 기기본</u>		p.m.
			REMA	ARKS	Jey 70	
21	ADDITIONAL		<del></del>		ON KAIL	
1111					MSd	
65 SECTION A . P	70 Vermit Summary	<u></u>				
	DRESS OF FACILI	TY (Include Count	State and ZIP co.	le i	<u> </u>	EXPIRATION DATE
· Kul	i the li	C				9/38/37
(c. )	いべいだき.					SSUANCE DATE
RESPONSIBLE	OFFICIAL		TITLE			PHONE
	ングエル			TOT NOTE:	200	301-797-186
FACILITY REP	RESENTATIVE		TITL			PHONE
SECTION G. E.	Muent Characteristic	4 (Additional sheet	s attached		<del>,                                    </del>	
PARAMETER/	The Child Street		- attacuta	/		
OUTFALL		MINIMUM	AVERAGE	MAXIMUM	ADDI	TIONAL
	SAMPLE MEASUREMENT					
	PERMIT REQUIREMENT					
	SAMPLE MEASUREMENT					
	PERMIT : REQUIREMENT					
	SAMPLE MEASUREMENT				*	
	PERMIT REQUIREMENT		, in			
	SAMPLE MEASUREMENT					
	PERMIT REQUIREMENT		· was			
	SAMPLE MEASUREMENT		* 1 T			
	PERMIT REQUIREMENT					
	cility Evaluation ( $S$					
RECORDS	VITHIN PERMIT REQU AND REPORTS		PERATION AND M		SAMPLING P	
	RIFICATION .		OW MEASUREME		OTHER:	
SECTION D . Co		*	Maria Carlo			
SECTION E - In	spection/Review			ACENCY		ENFORCEMENT DIVERCEN
INSPECTED BY				AGENCY	3/5/29	USE DALY COMPLIANCE STATUS
INSPECTED BY	7. Our	6	<del></del>		77/1	E COMPUANCE
REVIEWED BY						☐ HONCOMPLIANCE
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2012/01/2012 19:00:00		

fora:	AIK	) [	011	•	ď
OMH	No	1	58		ROU?

	Teres	A T NO	158 - R007.
Sections F thru L. Complete on all inspect: as appropriate. N. A = Not Applicable	1.	3-3 13	3
SECTION F - Facility and Permit Background			
ADC RESS OF PERMITTEE IF DIFFERENT FROM FACILITY  Including City, County and AIR cod	ESTIGATI	ON BY EPA'S	TATE
FINDINGS			
CCCVIANCE Described Described		<del></del>	
SECTION G - Records and Reports		<del> </del>	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT PYES NO NA /Fu.  DETAILS	rther explan	ation attache	) 
(a) ADEQUATE RECORDS MAINTAINED OF			
(i) SAMPLING DATE, TIME, EXACT LOCATION	Q yes	□ NO	□ N/A
(ii) ANALYSES DATES, TIMES	YES YES	<u></u>	DM/A
(iii) INDIVIDUAL PERFORMING ANALYSIS	YES	□ NO	N/A
(A) ANALYTICAL METHODS/TECHNIQUES USED	VES VES	□ NO	□ N/A
(v) ANALYTICAL RESULTS (c.g., consistent with self-monitoring report data-	E3 YES	D NO	UN/A
(b) MONITORING RECORDS (e.g., flow, pH, D.O., etc.) MAINTAINED FOR A MINIMUM OF THREE YEARS INCLUDING ALL ORIGINAL STRIP CHART RECORDINGS (e.g. continuous monitoring instrumentation.	/		
calibration and maintenance records).	YES	□ NO	□ N/A
(c) LAB EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS KEPT.	☐ YES	□ NO	WN/A
(d) FACILITY OPERATING RECORDS KEPT INCLUDING OPERATING LOGS FOR EACH TREATMENT UNIT		□ NO	WN/A
	D YES	D NO	DN/A
(e) QUALITY ASSURANCE RECORDS KEPT.	LI YES	U NO	EJ N/A
(1) RECORDS MAINTAINED OF MAJOR CONTRIBUTING INDUSTRIES (and their compliance status) USING PUBLICLY OWNED TREATMENT WORKS.	□ YES	□ NO	DAVA
SECTION H - Permit Verification			
INSPECTION OBSERVATIONS VERIFY THE PERMIT. VYES ON ON A (Further explanation DETAILS:	arrachea		
(a) CORRECT NAME AND MAILING ADDRESS OF PERMITTEE	M YES	□ NO	□N/A
(b) FACILITY IS AS DESCRIBED IN PERMIT.	YES	□ NO	□ N/A
	10 YES		
(c) PRINCIPAL PRODUCTIS) AND PRODUCTION RATES CONFORM WITH THOSE SET FORTH IN PERMIT APPLICATION.	YES	□ NO	□ N/A
(d) TREATMENT PROCESSES ARE AS DESCRIBED IN PERMIT APPLICATION.	☐ YES	□ NO	VZNJA
(e) NOTIFICATION GIVEN TO EPA/STATE OF NEW, DIFFERENT OR INCREASED DISCHARGES.	D,YES	D NO	VDN/A
(1) ACCURATE RECORDS OF RAW WATER VOLUME MAINTAINED	YES	□ NO	□N/A
(g) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN PERMIT.	YES	□ NO	□ N/A
(h) CORRECT NAME AND LOCATION OF RECEIVING WATERS	YES	□ NO	□ N/A
(i) ALL DISCHARGES ARE PERMITTED.	TES	□ NO	□ N/A
SECTION I - Operation and Maintenance			
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED.   VES   NO VENA (Fut	ther explan	ation attached	1/
DETAILS: NO TOUR !!	D :===		D
(a) STANDBY POWER OR OTHER EQUIVALENT PROVISIONS PROVIDED.  (b) ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.	O YES	□ NO	□ N/A
(c) REPORTS ON ALTERNATE SOURCE OF POWER SENT TO EPASTATE AS REQUIRED BY PERMIT.	☐ YES	D NO	□ N/A
(d) SLUDGES AND SOLIDS ADEQUATELY DISPOSED.	YES	□ NO	□N/A
(*) ALL TREATMENT UNITS IN SERVICE.  (1) CONSULTING ENGINEER RETAINED OR AVAILABLE FOR CONSULTATION ON OPERATION AND	☐ YES	□ NO	□ N/A
MAINTENANCE PROBLEMS.	☐ YES	□ NO	□ N/A
(g) QUALIFIED OPERATING STAFF PROVIDED.	☐ YES	□ NO	□ N/A
(h) ESTABLISHED PROCEDURES AVAILABLE FOR TRAINING NEW OPERATORS.	□ YES	□ NO	□n/a
(i) FILES MAINTAINED ON SPARE PARTS INVENTORY, MAJOR EQUIPMENT SPECIFICATIONS, AND			
PARTS AND EQUIPMENT SUPPLIERS.	☐ YES	□ NO	□ N/A
() INSTRUCTIONS FILES KEPT FOR OPERATION AND MAINTENANCE OF EACH ITEM OF MAJOR EQUIPMENT.	O YES	□ NO	□ N/A
(x) OPERATION AND MAINTENANCE MANUAL PAINTAINED.	□ YES	D NO	□ N/A
(I) SPCC PLAN AVAILABLE.	D YES	□ NO	□N/A
(m) REGULATORY AGENCY NOTIFIED OF BY PASSING (Dates	D YES		DN/A
n) ANY BY-PASSING SINCE LAST INSPECTION.	YES YES	□ NO	UN/A □r/A
o) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED.			



Sample Description: Discharge 00

Table I (1 of 2)

Comparison of Effluent Characteristics to Merale Conditions

:ility: Kleer Kast, Inc. - Kearny, New Jersey
:mdt No.: NJ 003 1313
spling Period: March 5, 1979 (1100 Hrs.) to March 6, 1979 (1100 Hrs.)

'arameter			Quar	atity		No. Exceeded		Concentr	ation		No. Exceeded	No. Analyses	Sas	
er emet (	<b>5 &amp;</b>	Min.	Ave.	Max.	Unite	Exc	Hin.	Ave.	Max.	Unite	Exc	No. Days	Ty	
	Measured Value			9.0					8.2				24-h	
)	Permit Condition				kg/ day	0				mg/l	0	1/1	compo	
	Measured Value			10.9					10				24-ho	
	Permit Condition				kg/ day	0			10	mg/1	0	1/1	compos	
mium	Measured Value			.010	kg/ day					.009			,,	24-hc
ar Lein	Permit Condition		<del> </del>						0			1.0	mg/l	0
·	Heasured Value			.008	kg/	0			<.007			_	24-ho	
•	Permit Condition				day				1.0	mg/1	0	1/1	compos	
6	Measured Value			3.18	. ;				2.9	,,		. , .	3 gr	
ıse	Permit Condition				kg/ day	0				mg/1	0	1/1	sampl compos	
186	1					0				mg/	1	1 0		



# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES P.O. Box 2809 Trenton, N.J. 08625

#### DISCHARGE SURVEILLANCE REPORT



DISCHARGER: Kleen Kast In	
OWNER: Same	
	.,
MUNIC: Kearn.	COUNTY: Hudson WATERSHED CODE: H
LOCATION: 450 Schuyler	tae
RECEIVING WATERS: Hackersock	Raise STREAM CLASS: [W-2
LIC. OPERATOR & PLANT CLASS:	
TRAINEE/ASST:	OTHER INFO:
MAJOR DEFICIENCIES NOTED:	2
	19,
OVERALL RATING: Acceptable	
WALUATOR: Richard Cakayle W.	mre TITLE: Croccomental Specialis
NFORMATION FURNISHED BY: (name)	mre TITLE: Croccomental Specialis Mr Ed Austin
title) Blant Manager	(organization) Kleen Kast
<del></del>	





N.J.D.E.P. D.W.R. DISCHARGE SURVEILLANCE REPORT



Permit #: NJ 203/3/3
Date: 12 Mark 1990

INDUSTRIAL TREATMENT PROCESS EVALUATION

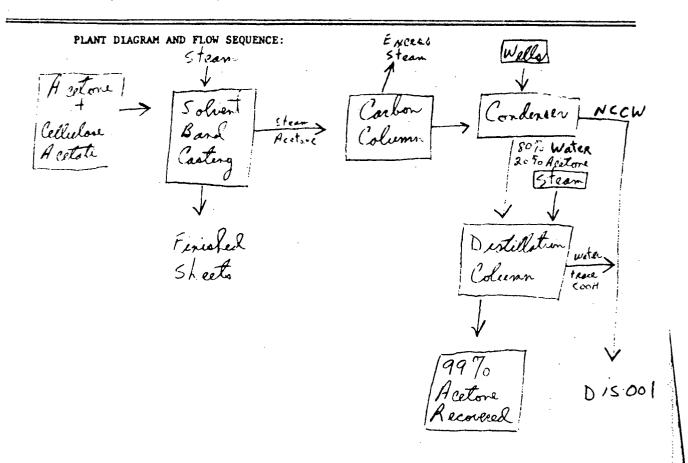
S = Satisfactory M = Marginal U = Unsatisfactory NA = Not Applicable ATINC CODES: DISCHARGE # OO! WASTEWATER SOURCE(S) Condensey HCC . Destellate CONTINUITY OF OPERATION BYPASSES/OVERFLOWS S.P.C.C. PLAN ALARM SYSTEMS MA NA ALTERNATE POWER SUPPLY NB Carbon Column Distillation Column effluent has respondentiation of COOH Contenser DISPOSAL SITE MB FLOW METER & RECORDER RECORDS SAMPLING PROCEDURES General Environmental Testing Lab, Jersey Cit ANALYSES PERFORMED BY FINAL EFFLUENT APPEARENCE REC. WATERS APPEARENCE NI



## D.W.R. DISCHARGE SURVEILLANCE REPORT



Permit 1: NJ003/.
Date: 12 March 1



	<u>S</u> AMPLI	NG PERIC	D: Brak		COMP	OSITE	INTERVAL	.:	
DISCHG	PARA	SAMPLE TYPE	PERMIT LIMITS	SAMPLE RESULT	DISCHG	PARA	SAMPLE TYPE	PERMIT LIMITS	SAMPLE RESULT
001	T	Grab	30°	170					
	рH		6-9	7.6					
	TOC		10 mg/8	bothe					
	2		Imall	-2 mg/A					
<b>V</b>	Cr.		100/2	· Olmala					
			177						

Chem-23 Sept. 75	AFR	ASTEWA	PERMIALYSIS	<b>7H</b>	Fime & Pate Rec By Labs Lab No	rived	
EASE TYPE OR PRINT ITH BALLPOINT PEN	DIV WA		MATION  Date of Collect  Hour / Q		March	80 19	
ample No. C // 47	/		Composite Per Collected by Residual Chlor	rine:	Integer W:		
Junic pality Kearry			Imme Devel	diate	•		
tream Franks Creek			Flow Rate _	. 280	MED		
ocation 450 Sch	engler for		Temperature	_17	•		
escription and Remarks:	<u> </u>	10: 0º	01				
i e		ERIOLOG	GICAL '				:
oliform MPN/100 ml	(Conf	irmed T	est); Fecal Colife	orm MPN/	100 ml		
			Sand State of Sand	100	= Not.	Kerry Pa	999
СН	EMICAL AND PHYSICA	LANALY	SES (mgs./liter, un	less ethorwi	se noted)		e   }
Color (units)	EMICAL AND PHYSICAL	LANALY	SES (mgs./liter, un	less attention	se Aoted) Other De	erminations	
		LANALY		less delideni	Other De	erminations	
Color (units)	Chloride	LANALY	Sulfate Grease & Oil Cyanide	(50) /	Other Be	erminations"	
Color (units) Odor (cold) Turbidity (units) pH 7.6	Chloride Suspended Solids Ash Total Solids	LANALY	Sulfate Grease & Oil Cyanide Chromium Tot	P.012	Other De	erminations"	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4	Chloride Suspended Solids Ash Total Solids Ash	LANALY	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex	P.012	Other De	erminations WPP	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4	Chloride Suspended Solids Ash Total Solids Ash Total PO4	LANALY	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4	P.012	Other De	erminations"	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4 Nitrite N	Chloride Suspended Solids Ash Total Solids Ash Total PO4 MBAS	LANALY	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4 Copper	P.012	Other Se	NPP	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N	Chloride Suspended Solids Ash Total Solids Ash Total PO4 MBAS Phenols	/	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4 Copper Lead	P.012	Other Set	MPP	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N	Chloride Suspended Solids Ash Total Solids Ash Total PO4 MBAS Phenols COD	LANALY	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4 Copper Lead Arsenic	R012	Other Del	MPP  LIMITS RE MEMO • 2	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N	Chloride Suspended Solids Ash Total Solids Ash Total PO4 MBAS Phenols COD Iron		Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4 Copper Lead	R.012	Other Set  TOC  SENSETETS BETCHE	MPP  LIMITS RE MEMO • 2	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N Total Kjel. N  Field D.O.	Chloride Suspended Solids Ash Total Solids Ash Total PO4 MBAS Phenols COD Iron	OXYGEN	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4 Copper Lead Arsenic Zinc C , 19	R.012	Other Set  TOC  SENSETETS BETCHE	LIMPP  LIMITS RE MEMO • 2  1 1980  SUBMITTED  SATORIES & EMA	
Color (units) Odor (cold) Turbidity (units)  PH 7.6 Acidity to pH 4 Alkalinity to pH 4 Nitrite N Nitrate N Ammonia N Total Kjel. N	Chloride Suspended Solids Ash Total Solids Ash Total PO4 MBAS Phenols COD Iron BIOCHEMICAL (	OXYGEN	Sulfate Grease & Oil Cyanide Chromium Tot Chromium Hex Ortho - PO4 Copper Lead Arsenic Zinc C, 19	18 (c.	Other Section C	LIMPP  LIMITS RE MEMO • 2  1 1980  SUBMITTED  SATORIES & EMA	

Chen: 25 Sept. 75	STREAM OR WASTEWA PERIAMALYSIS HALLING HEAD HALLING
. •	
PLEASE TYPE OR PRINT	Date of Collection 12 M Reck 80 19
•	Hour /O GO AM I'M.
Sample No	Composite Period A SA Interval
	Collected by Calayla Wigner
Municipality Kenny	Residual Chlorine: 🚅 🦸 🔰
Municipality 71 (2007)	Immediate
Plant Kleer Kast	Developed
Stream Franks Creek	190 (14)
	Flow Rate (280 1160
	when How Temperature 17°
Location 450 Schen	yer Ave Temperature 7°
Location 450 Schen	
Location 450 Schen	Temperature 7° Dis oct
Location 450 Schul	Temperature 7° Dis oct
Location 450 Schul	Temperature 17° Dis oci
Location 450 Schul	Temperature 7° Dis oc1  ITEMS CIRCLED BELOW ARE UNSATISFACTORY
Description and Remarks:	Temperature  Dis ocl  ITEMS CIRCLED BELOW ARE UNSATISFACTORY  10 1 10.1 10.2 10.3 10.4 10.5 10.6  LABORATORY RESULTS
Description and Remarks:	Temperature 7 D LG OC 1  ITEMS CIRCLED BELOW ARE UNSATISFACTORY  10 1 10.1 10.2 10.3 10.4 10.5 10.6
Description and Remarks:	Temperature  Dis oci  ITEMS CIRCLED BELOW ARE UNSATISFACTORY  10 1 10.1 10.2 10.3 10.4 10.5 10.6  LABORATORY RESULTS BACTERIOLOGICAL
Description and Remarks:  Dilutions Requested (Bacteriological)	Temperature  Dis oci  ITEMS CIRCLED BELOW ARE UNSATISFACTORY  10 1 10.1 10.2 10.3 10.4 10.5 10.6  LABORATORY RESULTS BACTERIOLOGICAL

	Color (units)	Chloride	Sulfate	Other Determinations
	Odor (cold)	Suspended Solids	Grease & Oil	/ TOCNPD
ॏ.	Turbidity (units)	Ash	Cyanide	
Δ	pH 7.6	Total Solids	Chromium Total 012	
	Acidity to pH 4	Ash	Chromium Hex.	
	Alkalinity to pH 4	Total PO <sub>4</sub>	Ortho - PO4	
	Nitrite N	MBAS	Copper	
	Nitrate N	Phenols	Lead	en — MON-REFLETSDIEF I E BELDW
	Ammonia N	COD	Arsenic	ULTICIABLE LIMITS RE MEMO # 4
Ī	Total Kjel. N	Iron	Zinc 0.198	MAR 3 1 1980

#### BIOCHEMICAL OXYGEN DEMAND (mgs./liter)

Field D.O.		Lab.	D.O.		Seed	Require	ed:	Yes		No		
Sample Conc. %	PLEASE CIRCLE	0.1	0.2	0.5	1.0	2.0	5.0	10	25	50	75	100
BOD <sub>5</sub>												

Attacheent 1 NPDES No.: %10031313

( ) A. Deficiencies relating to required testing:

1	3	NOT REPO	RTED		INCOR	RECT -
Parameter	Influent	Effluent	Freq. of Analysis	Sample Type	Freq. of Analysis	Sample Type
Flow			XXXX	XXXX		
30D 5		1	1			
Suspended						
Solids						
Settleabl <b>e</b>		1	į			
Solids		ļ		<del></del>	<b>.</b>	
р <b>н</b>		<u> </u>	XXXX	XXXX	<u> </u>	
Resid <b>ual</b> .		İ		į ·		
Chlorine	:	<b></b>			_{	
Oil &		1	1.	}	į	}
Greas <b>e</b>		I		_!	<u> </u>	<b> </b>
Fecal		1		1	1 .	
Coliforn		<u> </u>	XXX <del>X</del>			<b></b>
Temperature		·	^^^^	XXXX	<u> </u>	<b>{</b>
Total Organi	c		xxxx	XXXX	1	
Carbon						1
		1	İ	I		1
	<u> </u>	<del></del>	<del>}</del>			· [
			1	ł		

()	B.	Deficiencies relating to Report Period:
		( ) Report Period dates omitted
		( ) Incorrect Report Period
		( ) Report submitted late
		The correct period for your next report is
		to be submitted by

( ) C. Other deficiencies:

		and the second s
SEPA	GENERAL INFORMATION  Consolidated Armin Proper  Thead the General Instructor's blow started	DOLLARS
I EPA I D NUMBER	PERMIT RENEWAL	It a prescription mater has been provided, effic. It is prescripted mater has been provided, effic. It in the resoprated appear, Review the information areas are resolved. If any of it is responsely, asses
V FACILITY NAME APPLIS	WINH W20031315	through it and enser the covert data in the assurance retrieves also because Also If see of the cover are the see and the see as see and the cover as see and the cover as see and the cover as see and the covere as the covere a
VI FACILITY LOCATION & RELEASE	LEASE PLACE LABEL IN THIS SPACE	that should appear), please provide it in the proper fill and area(s) below. If the lebel is considere and cornect, you need not complete time. I, (ii) V <sub>c</sub> and V <sub>c</sub> (accept VAS ashed must be completed regardless). Complete at items if no tabel has been provided. Refer to the instruction.
		which this data is collected
questions, you must submit this form and to if the supplemental form is attached. If you	he supplemental form listed in the paranthesis follow	application forms to the EPA. If you answer "yes" to any sing the quartion. Mark "X" in the box in the third column any of these forms. You may answer "no" if your activity instructions for definitions of held—fecal tenns.
314 .114 . GUZSTIONS	MARK X	PARE SUPERIORS VALUE OF PROPERTY OF STREET
A Remarkation a publicly sweet their what reserves a discharge to writers (FORTIZA)	of the U.S.?	commend enimal feeding operation is:  I predication feelility which recents in a season of the U.S.? (FORM 2st)
( Is the a facility on thicurrently results to waters of the U.S. cites that those A cit B shore? If DRM 201	described in A water of the U	facility forfur that show the office of the which will resure in a discrepance to 187 FORM 2011  i you impact at this facility securities of the second of t
Do you or will this facility seem store, or fishercous wanted (FORM 5).      Do you or will you inject at this facility a	teining, within underground at the produced to	unit below the lowermest stratum on in one question in one question role of the well bore bore bores of dealking water? (FORMA)
water or other fluids which are brought is in connection with conventional oil or na- duction, inject fluids used for enhanced oil or natural gas, or inject fluids for stor trydrocarbons? (FORM 4)	rural pas pro- recovery of recovery of repe of riquid	I you inject at this facility fluids for spe- such as mining of sulfur by the Franch on mining of minerals, in situ combu- rust, or repover of geothermal energy?
Is this Tacifity a processed sestioner, source of the 28 industrial extending in structions and which will potentially enper year of any air pollutant regulater Clean Air. Act and may affect or be to attainment area? (FORM 5)	not in the in- nit 100 tons d under the NOT one of the instructions an per year of any	s proposed stationary source which is the 28 industrial categories light? In the d which will potentially smit 280 tons eir poliutant regulated under the Clear systeet or be located in an attainment.
SHIPKLEEK KAST	NC	
IV. FACILITY CONTACT		
	TLE flast, first, & title;	B PHONE (are code & no.:
WELL PHILI	r Pres a cm	201199211280
V. FACILITY MAILING ADDRESS	ET OR P.O. HOX	., ., ., .,
a city on y	OWN C TAYE C	20 COOK 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
VI. FACILITY LOCATION	- B - B - B	
A STREET, ROUTE NO. O	R OTHER SPECIFIC IDEN SPEER	E CHARLETT CAN
N. P. S. K.	н	Service One
THE NO ALL	<del></del>	ZIP CODE (COUNTY CODE)

<u> </u>			<u> </u>	
1 SEPA	BENERAL INFOR	MATION	PAID NUMBER	
DENERA: IAred	the "General Institution pain	e deferre exerting	STOVE A . WE	a tur
I EPA I D NUMBER	K.	<b>JEWAL</b>	If a preprinted label has it in the designated spec- ation constults, it any of	been provided, aftis t. Review the inform
THE PACIFIES NAME ADDING	NOOR	81312	through it and enter the appropriate fill—in area to the preprinted data is ab	scorrect data in the
MAILING ADDRESS PLEASE	PLACE LABEL II	THIS SPACE	Note of the label space that should spiese; place proper fill an ereals be	<i>lists the information</i> so provide it is the
			complete and current, you stemp 1, 10, V, and V1 must be completed regard	u næri not complete lexcept VI-8 which rdies/, Complete all
VI LOCATION Short Short			items if no lebel has been the instruction and for the legal which this claim is collected.	and new descrip-
II. POLLUTANT CHARACTERISTICS				
INSTRUCTIONS Complete A through J to determine questions, you must submit this form and the supple if the supplemental form is attached. If you areser in excluded from permit requirements; see Section C o	mental form listed in th "nd" to each question, y f the instructions. See all	e perenthesis following the qui you need not submit any of the	stion, Mark "X" in the box is se forms. You may answer "n	n the third column on it your activity of terms.
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El Does on will trink tackins trees store, or dispose herardous warran's FORM 3.	A	municipal effluent below	i at this facility induring or the lowermost stratim oper rear mile of the well pore miking water? (FORM 4)	
O Do you or will you inject at this facility any produ- water or other fluids which are broughs to the surf- in connection with conventional oil or natural gas, duction, inject fluids used for enhanced recovery oil or natural gas, or inject fluids for atorage of liq hydrocarpons' (FORM 4)	sce pro-	process, solution mining	at this facility fluids for spenning of sulfur by the Frasch of minerals, in situ combu- overs of gentnermal energy?	
1 Is this facility a procosed stationary assists which one of the 29 industrial categories Instad in the structions and which will potentially amit 300 it per year of any air pollutant regulated under Clear. Air Act and may affect or be located in attainment area? IF ORM 51	ons )	instructions and which w per year of any air pollute Air Act and may affect o area? (FORM'5)	stationary source which is stric categories sated in the list potentially emit 260 tune int regulated under the Clean r be located in an attainment.	) A
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VIII. OPERATOR INFORMATION	A. NAME				. In the Panie ligh
KLEER LAST INC					Growner?
KLEEK KASI INC		<u> </u>	<u> </u>		TYES XI
C. STATUS OF OPERATOR (Enter the appropriat			pedfy.i	D. PHONE (are	code 4 na.)
F - FEDERAL M - FUBLIC (other than federal S - STATE O - OTHER (specify) P - PRIVATE	or mally	specify.	Ä	201 99	7 / 3 3 0
E. STREET OR P.O.	FOX				
C BOX 514					
P. CITY OR TOWN		OUTAVE C	I. EIP CODE IX.		
KEARAY		N 2 0	10-21	ne facility located on	Indian lands?
10				11	- 17 L
EXISTING ENVIRONMENTAL PERMITS  A. NPDES (Discharges to Surface Water)	. PSD (AIr Emiliators		(a)		
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C. RCRA (Harardous Wastes)		R (specify)	A. Pec	LEUR GERITA	LL E GUIA
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mm in in					
. MAP Attach to this application a topographic map of the	e area extending to	et least one mile i	sevend property	boundaries. The n	iso must chose
he outline of the facility, the location of each of reatment, storage, or disposal facilities, and each	its existing and pa	represed intake and	discharge struct	ures, each of its he	zardous waste
reatment, storage, or disposal facilities, and section rater bodies in the map area. See instructions for pr			enes methoren	aprings, rivers and	OUBL STUROS
I. NATURE OF BUSINESS (provide a brief description)					
MANUFACTURE O	E PI	95717	FILE	2 541	267
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FOR USE IN THE PACKAGING FIELDS	E 57	ATON CRY	Y CRA	PHIC FIRE	, E.,
PACKAGING FIELDS					
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II. CERTIFICATION (see instructions)					
certify under penalty of law that I have personally ttachments and that, based on my inquiry of the oplication, I believe that the information is true, a lise information, including the possibility of fine an	ceo persons Amme sccurers and comp	r facellier with the distaly responsible slots, I am aware t	information scholar for obtaining that there are significant to the scholar form are significant to the scholar form are significant to the scholar form are significant to the scholar form are significant to the scholar form are significant to the scholar form are significant to the scholar form are scholar form are significant to the scholar form are scholar form are scholar form.	mitted in this appli se information eco nificant penalties (	ication and all mained in the for submitting
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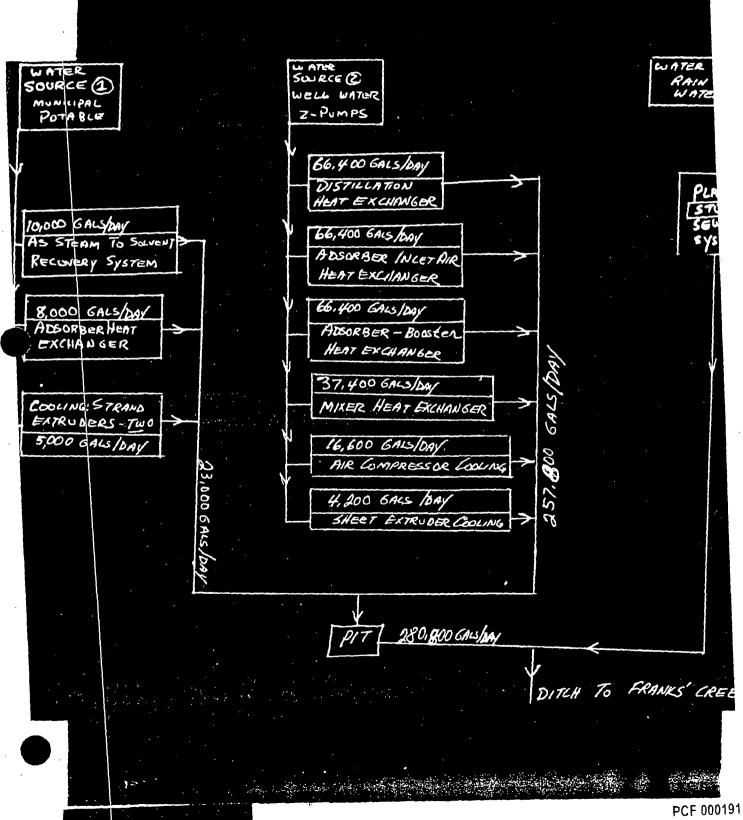
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FORM A EDA NULLA	23 (原)	Furm Approved On A	
Marie All Marie Ma	Con	olidetra dillicarogram N 2003	72
L CUTTALL LOCATION  For each outfall, first the latitude and longitude Visiting	2111	ods and the name of the receiving water.	
A. BUYFALL P. LATITUDE  HUMBER  (litt) 1. ogo. 1. bip. 3. sec. 1. bi	C. LONGITUDE	D. RECEIVING WATER (N	and j
DNE		FRANKS' CREEK	
ONLY		(SEE MAP SUB	MITTED
/		WITH APPLICATION	N FORM
كالتربيس أباث البيوار سميوا			
II. FLOWS, SOURCES OF POLLUTION, AND TREATMI	ENT TECHNOLOGIES	urres of intake water pregations consultation was	tenester to the efflu
A. Attach a line drawing showing the water flow throu and treatment units labeled to correspond to the mon flows between intakes, operations, treatment units, a pletorial description of the nature and amount of any a	e detailed descriptions in I	tem B. Construct a water balance on the line dra- lance cannot be determined it.g., for certain min	wing by showing ever the activities), provid
pictorial description of the nature and amount of any a	ources of water and any col	lection or treatment measures.	
B. For each outfall, provide a description of: (1) All of cooling water, and storm water runoff; (2) The average on additional sheets if necessary.	e flow contributed by eac	n operation; and (3) The treatment received by the	ne westewater. Contin
LOUT- Z. OPERATION(S) CONTRIBUT	ring flow	3. TREATMENT	
ALLING a OPERATION (list)	b. AVERAGE FLOW . (Include units)	a, DESCRIPTION	TABLE 2C-1
SOLVENT RELOVERY SICKEN			
90/ (AS CONDENSED STEAM)	10,000 6465 DA	×	
ADSORBER HEAT EXCHANGER	8,00		
STRAND EXTRUDERS-Cooling	5,000 "		
Of DISTILLATION HEAT EXCHANGER	66.400 "		
HDSORBERINLET HIR HEIT	66,400		
ONTD Adsorber Boster ""	66,400		
MILER HEAT EXCHANGED	37,400		
NI AIR COMPRESOR COOLING	16,600 "		
NITO Sleet triever Course	9,200 "		
	280'800 "		
OCI RAIN WATER - Rooft	1 1 · · · · · · · · · · · · · · · · · ·		
CONTO RO:DWAY DRAINAGE -	3 7 GALLONS		
System	INTERMITENT		
		the state of the s	
FICIAL USE ONLY (effluent guidellnes sub-catagorles)	43.14	A STANDARD WATER AND A STANDAR	

'EPA Form 3610-2C (6-00)

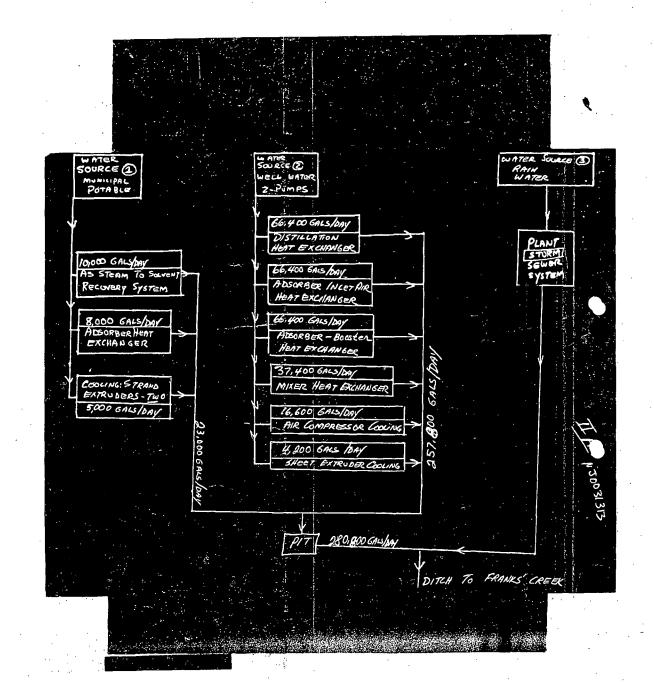
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. OUTFALL		2 (10)	RATION(s)		a DAYS	b. MONTHS	l. PL	HATE	A TOTAL	VOLUME	1
NUMBER		CONTRI	IUTING FL		PER WEEK	PER YEAR	I. LONE TOUR AVERAGE	P. MARINUM	Ispe vify to		AV
(lu1)			, mai/			(apocify average)	AVERAGE	DAMY	4468748	BAHLY	(the day
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MAXIMUM P											
. Does en afflu	ent guide S (comp	dine limitatio lete Item III-	on promulgete B)	d by EPA unde	r Section 304	of the Clean I	Mater Act app	ly to your fac Section IV)	ility?		
				deline expresso	i in terms of p	roduction for	other measur	e of operation	धर		
		lete Item III-					NO (so to				
. If you answe and units use	red "Yes of in the	" to item ()) applicable ef	-B, fist the quificularity	entity which rep no, and indicate	presents an act the effected o	lual measurem atfelis.	sent of your m	aximum leve	of production	ı, expressed i	n the ten
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ENTIFICATIO AGREEM	N OF C			TED OUTFALL		3. BR(	EF DESCRIPT	TION OF PRO	DIECT	PLIAN SURE	A SEC
			a. 101				•			entre d	a freque
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		TA LO SUMBERICUPY	from Item 1 of Form 1:		
CONTINUED FROM	m page 2 Eppluent Charact			For	m Approved OMB No. 158-RDI.
			d tables for each confed	- Annotate the outfall.	number in the space provided.
NOT	E: Tables V-A, V-B, Er	d V-C are included on again	ato phasts municipaed V-1	through V-8.	
D. Use the speed for	below to list any of them are cutted). For our	he poliutants listed in Table ary poliutant you list, brief	26-3 of the instructions to describe the resons to	, which you know as he you believe it to be pre	we resson to believe is discharge sent and report any analytical d
permanion.					
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					REED PER DAY,
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	SCHARGES NOT COVE				· · · · · · · · · · · · · · · · · · ·
A. Is any poliutani as an intermedia	it listed in Item V-C a su lete or final product or b	bstance or a component of a syproduct?	a substance which you di	o or expect that you wi	l over the next 5 years use or mai
	TYES (list	t all such pollutants below)		Ma teo to It	cm V(-B)
B: Are your opered	ions such that your raw	materials, processes, or pro	ducts can reasonably be	expected to vary so that	your discharges of pollutants ma
the next 5 years	exceed two times the m	naximum values reported in	Item V?		
		mplete Item VI-C below)		. 7	ction VII)
:		<del> </del>	and the second		dispense which was anticipate and
C. If you enswered	"Yes" to Item VI-B, ex	plain below and describe in		spected levels of such p	offurants which you anticipate will heets if you need more space.
C. If you answered	"Yes" to Item VI-B, ex	plain below and describe in		spected levels of such p	
C. If you answered	"Yes" to Item VI-B, ex	plain below and describe in		spected levels of such p	
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LOCATION & SPECIAL	TAX \		the instructions for tions and for the legal which this data is collect	authorization
II. POLLUTANT CHARACTERISTICS			Constitution of the Consti	
INSTRUCTIONS: Complete & through	I to determine whether you ne	ed to submit any permit app	elication forms to the EPA. If you	proper "yes" to
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is excluded from permit requirements; as	e Section C of the instructions. S	ee also, Section D of the inet	ructions for definitions of bold—fa	end farms
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(FORM 2A)		al spile entered per Crishe ye to western	oduction facility which results in softhe U.S.? (FORM 28)	•
C is this a facility which currently rate to waters of the U.S. other than the	ose described in	D. Is in a proposed in the at a shown)	facility fother than those describe which will result in a discharge	
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hazardous waster? (FORM 3)	$\lambda$	teining, within or	below the lowermost stretum one parter mile of the well born	7 / V
G Do you or will you inject at this facili		H. Do you or will you	os of drinking water? (FORM 4) u inject at this facility fluids for spi	
water or other fluids which are broug in connection with conventional oil or duction, inject fluids used for enhan	netural gas pro-	cial processes such process, solution r	i as mining of sultur by the Frace mining of minerals, in situ combu- or recovery of geothermal energy	• X
oil or natural gas, or inject fluids for flydrocarbons? (FORM 4)	storage of liquid	(FORM 4)		37 - 77 -
<ol> <li>Is this facility a proposed sectionery one of the 28 industrial categories</li> </ol>	source which is listed in the in-	J. Is this facility a p NOT one of the 2	roposed stationary source which it industrial categories listed in the	
structions and which will potentially per year of any an pollutant regul	eted under the	instructions and wr	hich will potentially amit 250 ton pollutant regulated under the Cless	: X
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#### TONAL POLLUTANT CISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

RLEER HAST INC

450 SCHUYLER AVENUE

KEARNY

NJ 07032

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#### INSTRUCTIONS

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PARAMETER		(3 card only)	QUANT	17Y (8403)		162-631 30	ard only)	CONCENT!	RATION		e2-e3	FHEQUENCY	SAMPLE
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LAST FIRST			7176	YEAR	MO DAY	mation is	ine, comple	ie, and accurate.		] *'		OR AUTHORIS	

# KNeerKastinc

P. O. Box 514, 450 Schuyler Avenue, Kearny, New Jersey 07032 (201) 997-1880

March 23, 1982

Mr. Thomas B. Harrington
Supervisor of Field Operations
Region I
State of New Jersey
Dept. of Environmental Protection
1100 Raymond Blvd.
Newark, New Jersey 07102

RECEIVED

MAR 2 4 1982

DEPT. ENVIRONMENTAL PROTECTION NEWARK OFFICE

Dear Mr. Harrington:

I received your letter (copy enclosed) today citing my company for excessive amounts of TOC, (January 28, 1982 visit), and phoned you immediately thereafter.

On January 28th, our plant manager was not here. Someone else in our organization must have accompanied the inspector. I presume the sample taken was not representative of the composite stream. We discharge 280,000 gallons of water per day. Of this 19% is municipal water and 81% well water. Of the 280,000 gallons per day only 10,000 gallons is "contact" water that would have a higher than acceptable TOC level. This 10,000 gallons is diluted by 28:1 ratio and has never given us unacceptable TOC results.

We have our discharge water tested every month. As per our conversation today, I have enclosed copies of the two test results of the regular monthly samples taken after January 28.

You told me that this would suffice to void the violation cited in your letter. I presume that you will contact Dr. R. A. Baker, USEPA.

Sincerely,

Philip Melli

President & Gen. Mgr.

PM/rg

enc.

# SHIMEL and SOR TESTING LABORATORIES, INC.

PO Box 76 A7 Merry Lone East Honover N ) RECEIVED

Branch Office: 118 - 120 Sandford St New Brunswick, N J 08903 (201) 494 - 2448 Kamil Sor, Ph.D. Charles Shimel, P.E.

ILL WASK CITIC.

This report is the confidential property of the Client, and information contained may not be published or reproduced without our written permission.

Client	Kleer Kast, Inc.,P.O. Box 514, Kearny, N.J. 07032
Project	Plant at 450 Schuyler Avenue, Kearny, N.J. (P.O. No. 904030)
Subject	Laboratory Testing of Wastewater Samples for TOC Content
	Report No 82-714 Dote March 12, 198

The following are laboratory test results of the water sample received on March 9, 1982.

Sample Description

Total Organic Carbon\*
Content, mg/l

Composite Effluent

0.50

\*The method of testing used: Instrumental Analysis as described in "Methods for Chemical Analysis of Water and Wastes, 1971" by EPA, Analytical Quality Control Laboratory, Cincinnati, Ohio.

SHIMEL and SOR TESTING LABORATORIES, INC.

Kamil Sor, Ph.D.

KS/1m

cc: (2) Client

Att: Mr. Philip Melli General Manager

Att: Mr. Ed Austin -

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

26 FEDERAL PLAZA NEW YORK NEW YORK 10278

#### CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Kleer Kast Incorporated 450 Schuyler Avenue Kearny, New Jersey 07032

Subject: NPDES Permit No: NJ0031313

Overdue Response

Dear Sir:

The U.S. Environmental Protection Agency (EPA), Region II office has issued Kleer Kast Incorporated a National Pollutant Discharge Elimination System (NPDES) permit to regulate the discharge of pollutants to the surface waters of the United States.

As part of our compliance monitoring program, the New Jersey Department of Environmental Protection (NJDEP) inspected your facility on January 28, 1982. This compliance monitoring inspection revealed a deficiency of excessive amounts of TOC (17-6 mg/l) in discharge (see copy of inspection report attached). Because of this deficiency NJDEP contacted your facility by letter dated March 12, 1982. This letter directed that you discuss the deficiency in a report to be submitted to both NJDEP and EPA by April 12, 1982. We have not yet received this report.

Inspections are an important part of the NPDES permit program. You are required to send us your reply within 14 days of your receipt of this letter. Failure to respond within this time frame or to address adequately the noted deficiencies may result in formal enforcement action by this Agency under the Clean Water Act. Therefore, I urge you to give this matter your immediate attention.

If you have any questions, you may write to the Water Compliance Section, Permits Administration Branch at the above address or call Adolph Bowman at (212) 264-9880.

Sincerely yours,

Richard G. Tisch Chief Water Enforcement Branch Enforcement Division

Enclosure cc: M. Diamond, NUDEP

# SHIME ... SOR TESTING LABORATORIES, INC.

Jesting Inspection Consultation

PO box 7h A. Merry Lane tast Hanover

RECEIVLE

Branch Office 118-120 Sandford SI New Brunswick, N J 08903 [201] 494-2448 Kamil Sor Ph D Charles Shimel P E

This report is the confidential property of the Client and information contained may not be published or reproduced without our written permission.

. Client	Kleer Kast, Inc. P.O. Box 514, Kearny, NJ 07032	
Project	Plant at 450 Schuyler Avenue, Kearny, NJ (P.O. Re.	90411)
Subject	Laboratory Testing of Wastewater Samples for TOC C	ontent.
	- Report No. 82-411	Dole February 12,19

The following are laboratory test results of the water sample received on Feb. 10, 1982.

Sample Description

Total Organic Carbon\*
Content, mg/l

Composite Effluent

0.39

Kamil Sor, Ph.D

\*The method of testing used: Instrumental Analysis as described in "Methods for Chemical Analysis of Water and Wastes, 1971" by EPA, Analytical Quality Control Laboratory, Cincinnati, Ohio.

SHIMEL and SOR TESTING LABORATORIES, 15

KS/gg

cc: Client(2)

Attn: Mr. Philip Melli

General Manager

Attn: Mr. 1d Austin

Let's protect our earth



# State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

CN 029 TRENTON, NEW JERSEY 08625

GECFRE G. WCCANN, P.E. DIRECTOR

WATER QUALITY MANAGEMENT

DIRK C. HOFMAN, P.E. DEPUTY DIRECTOR

<u>Efim Steir</u>, President. Kleer Kast, Inc. 450 Schuyler Ave. Kearny, N.J. 07032

JAN 1 5 1987

Dear Mr. Stein:

NJPDES Permit No. NJ0031313 Effective Date: March 1, 1987

Enclosed is the Final NJPDES/DSW Permit issued in accordance with the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C. 7:14A-1 et seq. Violation of any condition of this permit may subject you to significant penalties.

Within 30 calendar days following your receipt of this permit, under N.J.A.C. 7:14A-8.6, you may submit a request to the Administrator for an adjudicatory hearing to reconsider or contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:14A-8.9 through 8.13. The request should be made to:

> Administrator Water Quality Management Element Division of Water Resources CN-029 Trenton, New Jersey 08625

Applications for renewal of this permit must be submitted at least 180 days prior to expiration of this permit pursuant to N.J.A.C. 7:14A-2.1(f)5.

If you have any questions on this action, please contact Mr. Edward Post, P.E., Chief, Industrial Permits Section at (609) 292-0407.

Sincerely,

Paul C. Kurisko, P.E., Chief Bureau of Industrial Waste Management Water Quality Management

New Jersey Is An Equal Opportunity Employer



# DEPARTMENT OF ENVIRONMENTAL PROTECTION CN 402

Trenton, N.J. 08625





The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No.	Issuance Da	ite	Effective Date	Expiration	n Date	
NJ0031313	January	, 15, 1987	March 1, 1987	Februa	ry 28, 1992	
Name and Address of Applicant Location of Activity		ty/Facility Name and Address of O		f Owner .		
Kleer Kast, Inc. 450 Schuyler Ave. Kearny, NJ 07032		450 Schulyer Ave. Kearny, Hudson County New Jersey		PMC, Inc. 12234 Branford St. Sun Valley, CA 91352		
Issuing Division		Type of Permit		Statute(s)	Application No.	
Water Resources		NJPDES/DSW		N.J.S.A. 58:10A-1 et	NJ0031313 seq	

This permit grants permission to:

Discharge to Frank's Creek, a tributary of the Passaic River, classified as SE3 waters, in accordance with effluent limitations, monitoring. requirements and other conditions as set forth in Parts I, II, III, and IV hereof.

Approved by the Department of Environmental Protection By the Authority of:

George G. McCann, P.E.

Acting Director

Division of Water Resources

Quality Management Element

The word permit means "approval, certification, registration, etc."

(GENERAL CONDITIONS ARE ON THE REVERSE SIDE.)

Checklist
Page 1 of 1
Permit No. NJ003/3/3

# CHECKLIST OF PARTS AND MODULES COMPRISING THIS NUPDES PERMIT

1.	Cover Page				
2.	Checklist				
3.	Part I (General Condition	ions for All NJPDE	S Discharge Permits)	·	
4.	Part II - Additional G	emeral Conditions	for the types of NJPDES	Permits che	cked as follows:
٠	Part II - A Dhun.	icipal/Sanitary)	. •		
	<u>√</u> Part II - E/C (II	odustrial/Commerci	al/Thermal)		
	Part II - L (SIU)	)			
	Part II - IRF ()	•	anagement Facility)		
	Pert II - DG			·	
5.	Part III - Efflornt Lis	itations and Homit	toring Requirements	-	
	Part III - A	,			
٠	<u> </u>				
-	Part III - L				
	Part III - DGH	Specify type(s):		·	
			<u> </u>		
			·		
	•	. *	•	•	
6.	Part IV - Special Condi	tions			
	Part IV - A				:
	,	• • •			
	V Part IV - B/C				·.
	Part IV - L				
	Part IV - DET		· .		
•	Part IV - DGH	Specify type(s):			
-		•			•

Page 1 of 4 pages
Permit No. NJ0031313

# 1.A EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning EDP and lasting through EDP + 5 years, the permittee is authorized to discharge from outfall serial number: 001. There shall be no discharge of floating solids or visible foam in other than trace amounts. Samples taken in compliance with the specified monitoring requirements shall be taken at the following location: at the outfall of DSN 001; and shall be reported monthly.

EFFLEENT CHARACTERISTIC	DISCHARGE LIMITATIONS			MONITORING I	REQUIREMENTS
	Minimum	Average	Maximum	Frequency*	Sample type
FLOW - mgd	N/A	Report	Report	Continuous	N/A
- pE - Standard Units	6.0	N/A	9.0	Monthly	Grab
EEMPERATURE - °C	N/A	N/A	30	Monthly	Grab
TOTAL ORGANIC CAFBON - mg/l	N/A	Report	20	Monthly	Composite
TOTAL SUSPENDED SOLEDS - mg/l	N/A	Report	20	Monthly	Composite
PETROLEUM HYDROCARSONS - mg/l	N/A	10	15	Monthly	Composite
ACETONE - ug/1	N/A	Report	Report	Quarterly	Grab
DIFFEYL PRIFALATE - ug/l	N/A	Report	Report	Quarterly	Grab
DIMETRYL PRITALATE - ug/l	N/A	Report	Report	Quarterly	Grab
DI-N-BUTYL PRIBLATE - ug/l	N/A	Report	Report	Quarterly	Grab

Part II - B/C Page 2 of 4 pages Permit No. NJ0031313

### 2. SURFACE WATER QUALITY REQUIREMENTS

The permittee shall discharge so as not to violate Surface Water Quality Standards for Frank's Creek, classified as SE3 Waters, pursuant to N.J.A.C. 7:9-4.1 et seq., including, but not limited to, the following:

- A. Floating, Colloidal, Color and Settleable Solids; Petroleum Hydrocarbons and Other Oils and Greases
  - 1. None noticeable in the water or deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota. None which render the waters unsuitable for the designated uses.
  - 2. For "Petroleum Hydrocarbons" the goal is none detectable utilizing the federal EPA-Environmental Monitoring and Support Laboratory Method (Freon Extractable-Silica Gel Absorption-Infrared Measurement); the present criteria, however, are those of paragraph 1. above.
- B. Temperature Deviations

No thermal deviations which would cause temperatures to deviate more than 2.2 degrees Celsius (4 degrees Fahrenheit) from ambient during September through May, or by 0.8 C (1.5 F) during June through August, nor shall temperatures exceed 29.4 C (85 F).

C. Dissolved Oxygen (mg/l)

Not less than 3.0 at any time.

D. Fecal Coliforms (Number per 100 ml)

Not to exceed a geometric average of 1500.

E. pH (Standard Units)

6.5 to 8.5

F. Total Dissolved Solids (Filterable Residue)

None which would render the waters unsuitable for the designated uses.

G. <u>Turbidity</u> (Nephelometric Turbidity Unit - NTU)

Maximum 30-day average of 10 NTU, a maximum of 30 NTU at any time.

Part III - B/C
Page 3 of 4 pages
Permit No. NJ0031313

H. Suspended Solids (Non-filterable Residue) (mg/l)

None which would render the water unsuitable for designated uses.

I. Ammonia, Un-Ionized, 24 Hour Average

Not to exceed 0.1 of acute definitive LC50 or EC50.

- J. Toxic or Hazardous Substances
  - Allowing for natural conditions, none, either alone or in combination with other substances, in such concentrations as to affect humans or be detrimental to the natural aquatic biota, produce undesirable aquatic life, or which would render the waters unsuitable for the designated uses.
  - 2. Toxic substances shall not be present in concentrations that cause acute or chronic toxicity to aquatic biota, or bioaccumulate within an organism to concentrations that exert a toxic effect on that organism or render it unfit for consumption.
  - 3. The concentrations of non-persistent toxic substances in the State's waters shall not exceed 0.05 of the acute definitive LC50 or EC50 value, as determined by appropriate bioassays, nor shall concentrations of persistent toxic substances exceed 0.01 of acute definitive LC50 or EC50 value.
  - 4. Concentrations of the following substances in the State's waters are among those specifically limited:

Substance	Not to exceed (ug/1)
Aldrin/Dieldrin	0.0019
Benzidine	0.1
Chlordane	0.004
Chlorine, Total Residual	10
DDT and Metabolites	0.001
Endosulfan	0.0087
Endrin	0.0023
Heptachlor	0.0036
Lincane	0.004
Polychlorinated Biphenyls (PCB's)	0.03
Toxaphene	0.005

antial File

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Industrial Waste Management
401 East State Street, CN-029
Trenton, N.J. 08625
(609) 292-0407

PUBLIC NOTICE

NOV 29 1986

Notice is hereby given that the New Jersey Department of Environmental Protection, Division of Water Resources proposes to restrict and control the discharge of pollutants to Frank's Creek, a tributary to the Passaic River, classified as SE-3 waters, from:

> Kleer Kast, Inc. 450 Schuyler Ave. Kearny, N.J. 07032

The applicant produces Plastic Sheeting, Cellulose Acetate, Butyrate, Propionate, and Plasticized Compounds. Testing and Development of other plastics is conducted at the facility. The applicant lists the following SIC Codes, 3079, 2821, and 7391. All process waste, contact cooling water, and sanitary waste is sent to the Passaic Valley Sewer Commission treatment facility. Approximately 0.5 mgd of noncontact cooling water is discharged through a single outfall (DSN001) to Frank's Creek, a tributary of the Passaic River.

This application is for renewal of an existing NJPDES/DSW permit. The facility has been classified as a major discharger by the New Jersey Department of Environmental Protection in accordance with the U.S. EPA rating criteria.

This notice is being given to inform the public that NJDEP has prepared a draft NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM (NJPDES) permit (NJPDES Permit No. NJ0031313) in accordance with the "Regulations Concerning the New Jersey Pollutant Discharge Elimination System" (N.J.A.C. 7:14A-1 et seq.), which were promulgated pursuant to the authority of the New Jersey "Water Pollution Control Act" (N.J.S.A. 58:10A-1 et seq.).

This is an existing facility, and issuance of a NJPDES permit is the enforcement mechanism by which pollutant discharges are brought into compliance with standards. The draft permit contains the conditions necessary to restrict the discharge of pollutants and protect the public health and environment.

The draft document prepared by NJDEP is based on the administrative record which is on file at the offices of the

NJDEP, Division of Water Resources, located at 401 East State Street in the City of Trenton, Mercer County, New Jersey. It is available for inspection, by appointment, between 8:30 a.m. and 4:00 p.m., Monday through Friday. Appointments for inspection of the file may be scheduled by calling (609)633-6620. Copies of the draft permit may be obtained for a nominal charge by contacting the Department.

Interested persons may submit written comments on the draft document to the Administrator, Water Quality Management, at the address cited above. All comments must be submitted within 30 days of the date of this public notice. All persons, including applicants, who believe that any condition of this draft document is inappropriate or that the Department's tentative decision to issue this draft permit is inappropriate, must raise all reasonably ascertainable issues and submit all reasonably available arguments and factual grounds supporting their position, including all supporting material, by the close of the public comments submitted by interested persons in response to this notice, within the time limit, will be considered by the NJDEP with respect to the permit. At the close of the public comment period, the Department will issue or deny the permit. The Department will respond to all significant and timely comments when a final decision is issued. The applicant and each person who has submitted written comments will receive notice of NJDEP's final decision.

Any interested person may request in writing that NJDEP hold a non-adversarial public hearing on the draft document. This request shall state the nature of the issues to be raised in the proposed hearing as detailed above, and shall be submitted within 30 days of the date of this public notice to the Administrator, Water Quality Management, at the address cited above. A public hearing will be conducted whenever the NJDEP determines that there is a significant degree of public interest. If a public hearing is held, the public comment period in this notice shall automatically be extended to the close of the public hearing.

Additional information concerning the draft permit may be obtained between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday from: Flavian Stellerine at (609) 292-0407.

Arnold Schiffman Administrator Water Quality Management State of New Jersey
Department of Environmental Protection
Division of Water Resources
401 E. State Street, CN-029
Trenton, New Jersey 08625

FACT SHEET
FOR DRAFT NJPDES PERMIT TO DISCHARGE
INTO THE WATERS OF THE STATE OF NEW JERSEY

Permit No. NJG031313

Date: NOV 29 1986

Name and Address of Applicant: Kleer Kast, Inc.

450 Schuyler Ave. Kearny, N.J. 07032

Name and Address of Facility where Discharge Occurs:

Same as applicant

Receiving Water:

Frank's Creek

Classification:

SE3

#### I. DESCRIPTION OF FACILITY

The above named applicant has applied for a New Jersey Pollutant Discharge Elimination System (NJPDES) permit, to the State of New Jersey Department of Environmental Protection, Division of Water Resources to discharge into the designated receiving water. A location map of the facility is included on page 3.

The applicant produces Plastic Sheeting, Cellulose Acetate, Butyrate, Propionate, and Plasticized Compounds. Testing and Development of other plastics is conducted at the facility. The applicant lists the following SIC Codes, 3079, 2821, and 7391. All process waste, contact cooling water, and sanitary waste is sent to the Passaic Valley Sewer Commission treatment facility. Approximately 0.5 mgd of noncontact cooling water is discharged through a single outfall (DSN001) to Frank's Creek, a tributary of the Passaic River.

#### II. DESCRIPTION OF DRAFT PERMIT CONDITIONS

The existing and proposed effluent limitations and other pertinent information regarding the draft permit are described in the Permit Summary Table (page 4). Also included is a brief summary of the basis for each effluent limitation and other conditions in the draft permit (page 5).

#### III. VARIANCE OR MODIFICATION (if applicable)

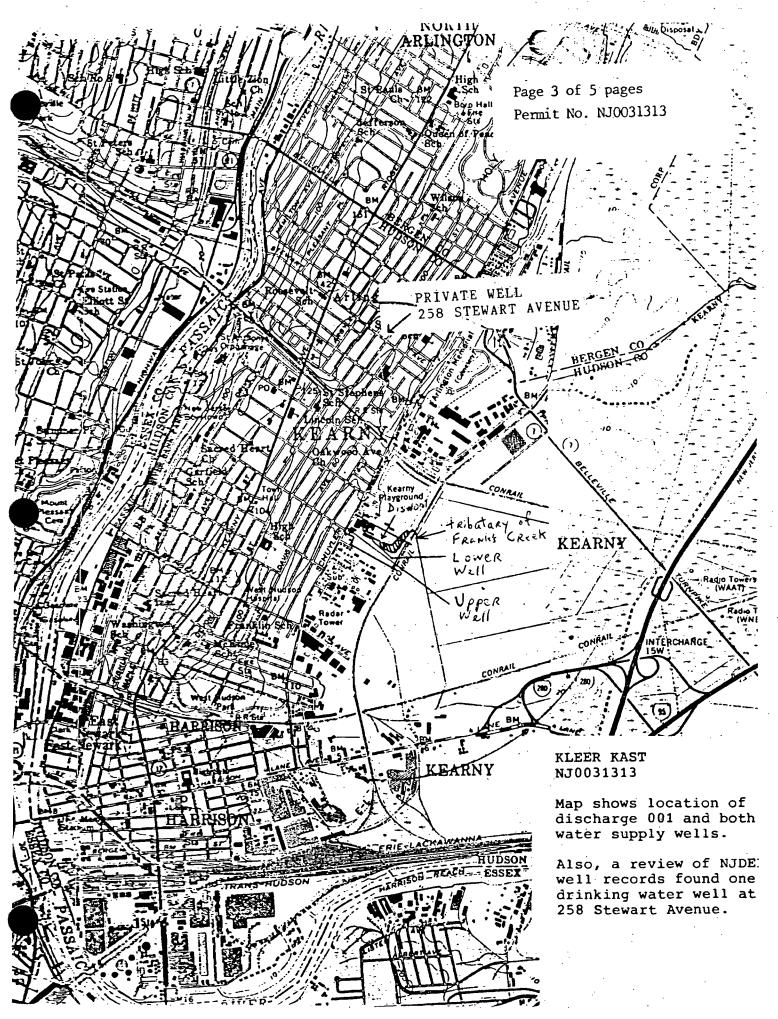
N/A

### IV. PROCEDURES FOR REACHING A FINAL DECISION ON THE DRAFT PERMIT

These procedures are set forth in N.J.A.C. 7:14A-7.1 et seq. Included in the public notice are requirements for the submission of comments by a specified date, procedures for requesting a hearing and the nature of the hearing, and other procedures for participation in the final agency decision.

#### V. NJDEP CONTACT

Additional information concerning the Draft Permit may be obtained between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday from: Flavian Stellerine, Industrial Permits Section, at (609) 292-0407.



Page 4 of 5 pages Permit No. NJ0031313

## SUMMARY TABLE

COMPANY: Kleer Kast, Inc.
DSN 001: Non-contact Cooling Water (0.5 mgd)

PARAMETER	DRAFT LIMITS (Gross)
· · · · · · · · · · · · · · · · · · ·	
PLOW - MGD	Monitor
-T DAVCE C II	•
pH RANGE - S.U.	<i>c</i> 0
minimum	6.0
maximum	9.0
	•
TEMPERATURE - °C	
maximum	30
TOC - mg/l	
maximum	20 .
TSS - mg/l	
maximum	20
PETROLEUM HYDROCARBONS - mg/l	
average	10
maximum	15
ACETONE - ug/l	Monitor
<b>3.</b> –	
DIETHYL PHTHALATE - ug/l	Monitor
DIMETHYL PHTHALATE - ug/l	Monitor
<b>3</b> .	
DI-N-BUTYL PHTHALATE - ug/l	Monitor

STATEMENT OF BASIS
DRAFT NJPDES PERMIT TO
DISCHARGE INTO THE WATERS OF
THE STATE OF NEW JERSEY

NJPDES Application No. NJ0031313

### DESCRIPTION OF LIMITATIONS AND CONDITIONS

The permittee has recently completed a program to segregate all process waste and contact cooling water from discharging to surface water. These streams are now sent to a POTW. The only remaining discharge to surface water is non-contact cooling water via DSN 001.

Limitations and conditions for pH, Temperature, Total Organic Carbon(TOC), and Total Suspended Solids(TSS) are based on USEPA regional guidance for cooling water discharges. Limitations and conditions for Petroleum Hydrocarbons are required by the Oil and Grease Effluent Limitations, N.J.A.C. 7:14A-14.1 et seq.

Monitoring for Acetone, Diethyl Phthalate, Dimethyl Phthalate, and Di-N-Butyl Phalate is required to insure no process waste or contact cooling water is discharged through DSN 001. These compounds are used at the facility as raw materials or products.



# STATE OF NEW JERSEY DEPART IT OF ENVIRONMENTAL PROTECTION CN 402

Trenton, N.J. 08625

#### **PERMIT**



The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No.   1 NJ0031313	Issuance Date	Effective Date	Expiratio	n Date
Name and Address of Applicant	Location of Activity/I	acility	Name and Address of	of Owner
Kleer Kast, Inc. 450 Schuyler Ave. Kearny, NJ 07032		450 Schulyer Ave. Kearny, Hudson County New Jersey		Ford St. , CA 91352
Issuing Division	Type of Permit		Statute(s)	Application No.
Water Resources	NJPDES/DS	NJPDES/DSW		NJ0031313

This permit grants permission to:

Discharge to Frank's Creek, a tributary of the Passaic River, classified as SE3 waters, in accordance with effluent limitations, monitoring requirements and other conditions as set forth in Parts I, II, III, and IV hereof.



Approved by the Department of Environmental Protection By the Authority of:

George G. McCann, P.E. Acting Director

Division of Water Resources

Arnold Schiffman, Administrator Water Quality Management Element

(GENERAL CONDITIONS ARE ON THE REVERSE SIDE.)

The word permit means "approval, certification, registration, etc."

Page 1 of 4 pages
Permit No. NJ0031313

#### 1.A EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning EDP and lasting through EDP + 5 years, the permittee is authorized to discharge from outfall serial number: 001. There shall be no discharge of floating solids or visible foam in other than trace amounts. Samples taken in compliance with the specified monitoring requirements shall be taken at the following location: at the outfall of DSN 001; and shall be reported monthly.

EXYLIENT CHARACTERISTIC	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS		
·	Minimm	Average	Maximum	Frequency*	Sample type	
FLOW - mgd	N/A	Report	Report	Continuous	N/A	
pE - Standard Units	6.0	N/A	9.0	Monthly	Grab	
EEMPERATURE - °C	N/A	N/A	30	Monthly	Grab	
TOTAL ORGANIC CARBON - mg/l	N/A	Report	20	Monthly	Composite	
TOTAL SUSPENDED SOLIDS - mg/l	N/A	Report	20	Monthly	Composite	
PETROLEUM HYDROCHRONS - mg/l	N/A	10	15	Monthly	Composite	
ACETONE - ug/l	N/A	Report	Report	Quarterly	Grab	
DIETHYL PHTHALATE - ug/1	N/A	Report	Report	Quarterly	Grab	
DIMETHYL PETHALATE - ug/l	N/A	Report	Report	Quarterly	Grab	
DI-N-BUTYL PRIHALATE - ug/l	N/A	Report	Report	Quarterly	Grab	

Part III - B/C
Page 2 of 4 pages
Permit No. NJ0031313

## 2. SURFACE WATER QUALITY REQUIREMENTS

The permittee shall discharge so as not to violate Surface Water Quality Standards for Frank's Creek, classified as SE3 Waters, pursuant to N.J.A.C. 7:9-4.1 et seq., including, but not limited to, the following:

- A. Floating, Colloidal, Color and Settleable Solids; Petroleum Hydrocarbons and Other Oils and Greases
  - None noticeable in the water or deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota. None which render the waters unsuitable for the designated uses.
  - 2. For "Petroleum Hydrocarbons" the goal is none detectable utilizing the federal EPA-Environmental Monitoring and Support Laboratory Method (Freon Extractable-Silica Gel Absorption-Infrared Measurement); the present criteria, however, are those of paragraph 1. above.
- B. Temperature Deviations

No thermal deviations which would cause temperatures to deviate more than 2.2 degrees Celsius (4 degrees Fahrenheit) from ambient during September through May, or by 0.8 C (1.5°F) during June through August, nor shall temperatures exceed 29.4°C (85°F).

C. Dissolved Oxygen (mg/l)

Not less than 3.0 at any time.

D. Fecal Coliforms (Number per 100 ml)

Not to exceed a geometric average of 1500.

E. pH (Standard Units)

6.5 to 8.5

F. Total Dissolved Solids (Filterable Residue)

None which would render the waters unsuitable for the designated uses.

G. <u>Turbidity (Nephelometric Turbidity Unit - NTU)</u>

Maximum 30-day average of 10 NTU, a maximum of 30 NTU at any time.



State of New Jersey Camprimental Protection

Jestine Water Respurces

WETLAND EVALUATION OF THE KLEER KAST, INC. PROJECT SITE

Town of Kearny Hudson County, New Jersey

De von

Prepared for:

General Foam Corporation 13 Manor Road East Rutherford, New Jersey 07073

Prepared by:

Schmid & Company Inc., Consulting Ecologists 80 Cedar Grove Road Media, Pennsylvania 19063

16 June 1987

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#### **EXECUTIVE SUMMARY**

This report identifies wetlands and other environmental conditions on a site of approximately 19 acres in the Town of Kearny, Iludson County. New Jersey. It concludes that approximately 3.5 acres (18.6%) of the site satisfy current federal criteria for regulation as wetlands included in waters of the United States pursuant to Section 404 of the Clean Water Act. The Corps of Engineers (New York District) should be requested to confirm the extent of its jurisdiction. No fill should be placed within any regulated wetlands prior to receipt of any necessary state and federal approvals.

#### INTRODUCTION

Selected existing environmental conditions have been investigated for the approximately 19-acre site under consideration for its development potential in the Town of Kearny, Hudson County, New Jersey. The site is operated by Kleer Kast. Inc. This information has been assembled to assist in project planning by determining the extent and characteristics wetlands potentially subject to Army Corps of Engineers regulation under the Clean Water Act.

Flanning currently is in the conceptual stages. Planning and development will proceed in accordance with the land use controls and zoning of the Town of Mearny. The wetland boundary that is established will become an important consideration as site planning proceeds, and project planners can use it to evoid or minimize environmental conflicts.

#### LCCATION AND BOUNDARIES OF THE SITE

The project site is located in the northwestern section of the Town of Kearny. In the western section of Hudson County, New Jersey. According to the tax maps of the Town of Kearny, the site comprises Black 226, Lats 3, 4, and 11. The site is approximately 4.5 miles northeast of Newark Airport, 6 miles west of the Lincoln Tunnel, and 4 miles northwest of the Jersey City. Major readways in close proximity to the site include Belleville Turnpike (Rt. 506) to the north, the New Jersey Turnpike (including Interchange 15W) to the east, Interstate 280 to the south, and NJ Route 17 to the west.

The project site is located at approximately 40°45'43" N. latitude and 74°08'20" W. longitude, as depicted on the Orange, NJ 7.5-minute USGS topographic quadrangle (Figure 1). The site is within the lower Passaic River basin. An area known locally as Kearny Meadows, a large freshwater marsh, is located to the east on the opposite side of the Conrail railroad tracks which border the site on the east. For purposes of regulation under the Clean Water Act, the project site is within the region administered by the New York District, Army Corps of Engineers. The site is not within the boundary of the Hackensack Meadowland District, which ends at the aforementioned Conrail tracks.

The site is approximately rectangular in shape with a northwest to southeast orientation. The site is bounded by Conrail railroad tracks to the east. Schuyler Avenue to the west, and existing industrial development to the north and south. The approximate maximum dimensions of the site as measured through the center are 680 feet northeast to southwest and 1,260 feet

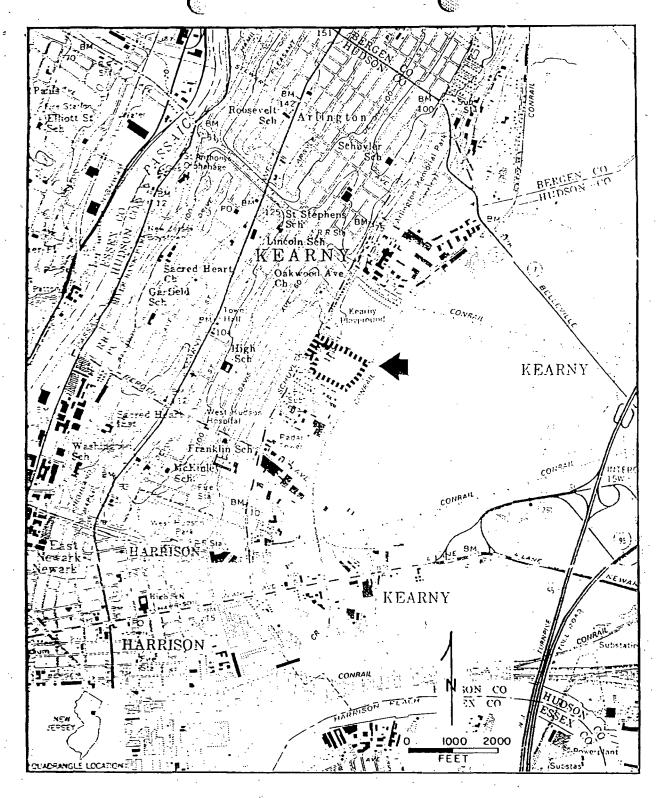


Figure 1 Location of the Kleer Kast, Inc., project site in the Town of Kearny, Hudson County, New Jersey. Basemap is the Orange, NJ, 7.5-minute USGS topographic quadrangle, 1981. The project site is indicated by an arrow.

northwest to southeast. Schmid & Company mapping for this site is based on unrectified, vertical aerial photography enlarged to a scale of 1:480 (1 inch = 40 feet). Figure 2 shows the site as depicted on a black and white, vertical aerial photograph taken on 9 November 1985 (scale 1:12,000; 1 inch = 1,000 feet).

#### TOPOGRAPHY, GEOLOGY, AND LANDFORMS

The project site is in the Piedmont physiographic province of northeastern New Jersey. The sedimentary deposits of the Piedmont date back to the Triassic period of the Mesozoic Era which began about 180 million years ago and lasted about 30 million years. During this period the Brunswick formation of red sandstone and shale that presently form the bedrock of the Piedmont were deposited. After most of the sandstone was deposited, there were periods of volcanic activity with lava flows. Diabase formed from magna that cooled beneath the earth's surface, and in turn formed some of the ridges and mountains (including the Palisades to the north) that rise above the Fiedmont plain. Continual uplift of huge areas of land was followed by millions of years of erosion by inland rivers. The erosional processes etched out the present relief of the Piedmont, leaving the harder volcanic racks as ridges and hills while the less resistant shale and sandstone form the lowlands.

The layers of peat and organic soils that exist throughout the Hackensack Meadowlands cover what once was Glacial Lake Hackensack. During the slow retreat of the Wisconsin glacier about 7,500 years ago, meltwater filled the carved-out course of the river and the adjacent valley. A large lake formed and then eventually filled with sediment, thereby altering what previously had been rolling topography. The melting of ice sheets worldwide caused the sea level to rise, eventually washing through the moraine from its seaward (eastern) side. When the lake drained, a low-lying swamp remained. Subsequent to the opening of the lake to the sea, several hundred years of salt water intrusion altered the chemistry of the system, forming a morsh estuary.

The present topography of the Hackensack Meadowlands area predominantly is nearly level to gently rolling. On the eastern section of the project site the topography is characteristically level, but the land rises sharply to Schuyler Avenue near its western margin. The Hackensack Meadowlands Development Commission prepared topographic mapping based on 1985 photography for areas within and immediately adjacent to the Meadowlands District (Figure 3). According to the HMDC (1985) topographic mapping, the lowest point on the site is at 0.1 foot NGVD (National Geodetic Vertical Datum) in the marsh in the western section. The maximum elevation on the site is about 11 feet NGVD on a pile of fill in the southwestern section of the site.

#### DRAINAGE FEATURES AND FLOODPLAINS

The Town of Kearny is bounded to the west by the lower Passaic River and to the east by the lower Hackensack River. The two Rivers join Newark Bay at Kearny Point about 3.75 miles southeast of the site, between Newark and Jersey City. The project site is within the section of Kearny that flows



Figure 2 Vertical aerial photograph of the Kleer Kast, Inc. project site in the Town of Kearny, Hudson County, New Jersey, dated 9 November 1985.

SCHMID'S COMBANAINC, CONSTITUTIO ECOLOGISTS

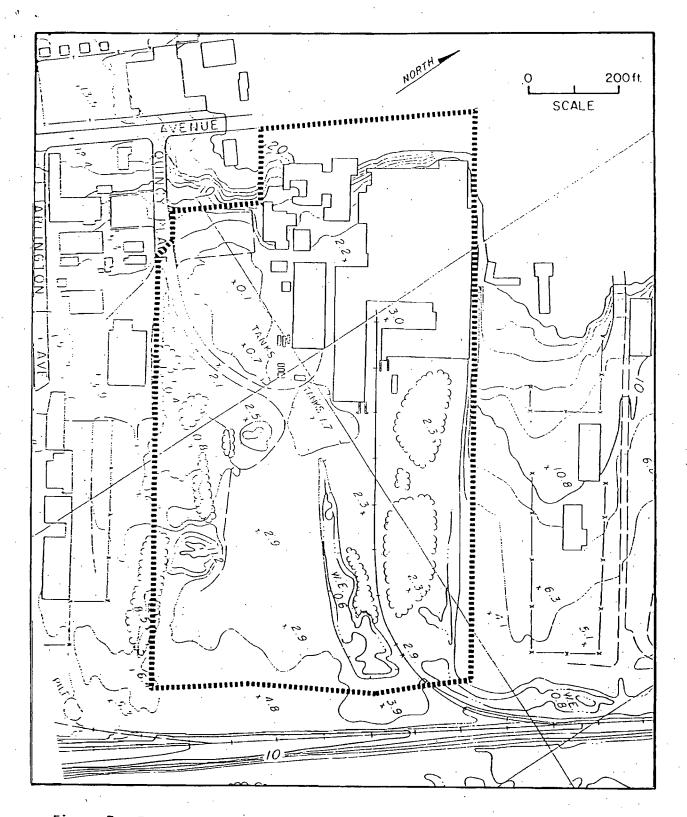


Figure 3 Topography in the vicinity of the Kleer Kast, Inc. project site in the Town of Kearny, Hudson County, New Jersey, based on HMDC (1985) mapping. Contour interval is two feet.

### toward the Hackensack River.

Surface water on the site drains via ditches in an easterly direction. The site is connected with the Kearny Marsh to the east by pipes. The connection appears to be poor due to clogging in the pipes. Surface water flow from west of the site enters stormwater sewers and bypasses the site. Water in the pond in the east-central section of the site is supplemented in part by case-through cooling water used at the Kleer Kast plant. The water used by the plant is drawn from an on-site well in accordance with permits from the New Jersey Department of Environmental Protection:

Flooding dynamics within the Town of Kearny have been studied by the Federal Insurance Administration (FIA) and the Federal Emergency Management Agency (FEMA) in accordance with the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. The sections of Kearny within the Hackensack Meadowland District were studied by FEMA; the remainder of Kearny, including the project site, was studied by FIA. The results of hydrologic and hydraulic analyses for the Town of Kearny have been reported (FEMA 1982c: FIA 1977o) and mapped (FEMA 1982b; FIA 1977b).

Flooding events in the Town of Kearny result from both direct precipitation and tidal surges along the Hockensack and Passaic Rivers (FIA 1977a; FEMA 1982a). The delineated flood boundaries for the Town of Kearny in the vicinity of the project site are shown in Figure 4. The project site itself is not mapped within a 100-year or 500-year floodplain; the mapping for the Meadewland District, which stops at the Conrail railroad tracks to the east of the site, indicates that the elevations of the entire adjacent tract (which range from about 5 to 10 feet NGVD) are within the 100-year floodplain (FEMA 1982b). The locations of mapped 100-year and 500-year, floodplains in the vicinity of the project site are depicted on Figure 4. The northwestern margin of the site is outside the floodplain.

### SURFACE WATER QUALITY

The Hackensock River is connected with the Atlantic Ocean through Newark Bay. The River is affected strongly and regularly by oceanic tides at least as far upstream as the mouth of Overpeck Creek (approximately 9 miles upstream from the project site vicinity). Kearny Marsh, including the adjacent area which encompasses the project site, also is influenced by tidal action. The area of Kearny Marsh immediately adjacent to the eastern side of the project site is enclosed by railroad tracks on the north, west, and south, and by the NJ Turnpike on the east. It is a freshwater system (Greiner Engineering Sciences, Inc. 1982). Other sections of Kearny Marsh, are tidal and brackish.

The section of the Hackensack River adjacent to Kearny Marsh is classified as SE2 by the New Jersey Department of Environmental Protection (NJDEP 1985a). The SE2 surface water classification applies to areas which are saline waters of estuaries. The waters on the project site, as well as the freshwater Kearny Marsh, are classified as FW2-NT (non-trout). This surface water quality designation refers to fresh waters that, because of physical, chemical, or biotic characteristics, are not suitable for trout. Such waters generally are suitable for a wide variety of other fish (NJDEP 1985).

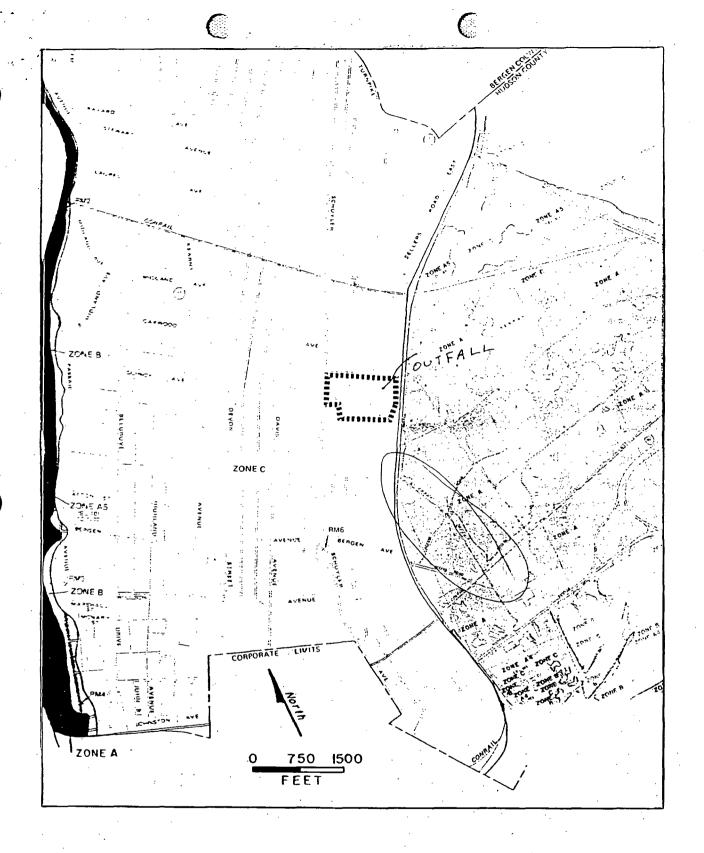


Figure 4 Relationship of the Kleer Cast, Inc., project site to delinected 100-year floodplains (Zone A) and 500-year floodplains (Zone B) in the Town of Kearny and adjacent areas of the Hackensack Meadowlands District, Hudson County, New Jersey (FEMA 1982b, FIA 1977b).

SCHAID & COMPANY INC., CONSULTING FOOLOGISTS

BRANCH OFFICES:

Chiergo, Ilinois

International Testing Laboratories, Inc.

Telex: 139187

Material Jesting and Consulting Engineers Weighers, Samplers and Assayers

578-582 MARKET STREET NEWARK, N. J. 07108

PHONES (201) 589-4772-3-4

530133

DATE July 20, 1987

From

KleerKast 450 Schuvler Avenue Kearny, New Jersey 07032

Sample of :

Water -

Marked

J9 Pit Composite

Purchase Order No. 1304

Results

Total Organic Carbon

38.3 ppm

Total Suspended Solids

2.4 mg/1

Tc

KleerKast Kearny, New Jersey



The liability of the International Testing Laboratories, Inc. with respect to the services charged for herein, shall in no event extent the amount of the invoice.

Our reports pertain to the sample tested only. Information contained herein is not to be reproduced, except with our INTERNATIONAL TESTING LABORATORIES, INC.

International Testing Laboratories, Inc.

Cable Address: INTEL

Telex: 139187

Material Jesting and Consulting Engineers Weighers, Samplers and Assayers

> 578-582 MARKET STREET NEWARK, N. J. 07105

> > PHONES (201) 589-4772-3-4

### REPORT OF TEST

530132

DATE July 20, 1987

From

KleerKast 450 Schuyler Avenue

Kearny, New Jersey

07032

Sample of : Water .

Marked

: Jo Pit Grab Sample

Purchase Order No. 1304

Results

Petroleum Hydrocarbons

: None Detected (Less than 3 ppm)

ηH

7.17

KleerKast Kearny, New Jersey



The limitary of the International Testing Laboratories, Inc. with respect to the services charged for herein, shall in no went execut the amount of the invoice.

Our reports pertain to the sample tested only. Information contained herein is not to be reproduced, except with our INTERNATIONAL TESTING LABORATORIES, INC.





August 14, 1987

NJDEP Water Quality Management - BPA CN-029 Trenton, NJ 08625

RE: Kleer Kast, Div. of PMC, Inc., Kearny, NJ NJPDES Permit No. 0031313, July 1987 DMR

### Gentlemen:

As required by the conditions of our NJPDES permit, this letter addresses the TOC non-compliance in our non-contact cooling water discharge as reported on the July DMR.

As indicated in the non-compliance letters attached to our last two DMR's, we have been actively pursuing the source of the TOC in our non-contact cooling water system. Our investigation of this matter indicates that high levels of inorganic carbon in our well water supply are interfering with the organic carbon analyses and giving inaccurately high TOC values in our discharge. We are working with International Testing Laboratories (our consulting certified laboratory) to resolve this problem as soon as possible. We will report the results with the next DMR.

Sincerely,

Richard Colayla-Wyrre

Richard Cahayla-Wynne Director of Environmental Affairs

RCW:ps



CERTIFIED MAIL, RETURN RECEIPT REQUESTED

August 18, 1987

Mr. Jeff Rosen RoseArt 53 Bloomfield Avenue Bloomfield, NJ 07003

Dear Mr. Rosen:

I just wanted to confirm our telephone conversation today in which we discussed the recent oil spill at the RoseArt operation on the Kleer Kast property in Kearny. It is important that you understand the following points:

- 1. Kleer Kast is a division of PMC, Inc. and must comply with corporate environmental policy regarding housekeeping, spill prevention and spill clean up. As a tenant of Kleer Kast, you must also comply with these requirements and are responsible for the conduct of any sub-contractors who operate in your space at Kleer Kast.
- 2. You are to maintain a safe and clean environment at Kleer Kast. There is to be absolutely <u>no</u> onsite disposal of any wastes. Waste oil is to be removed by a hauler licensed by the State of New Jersey, dry non-hazardous wastes can be removed via your dumpster.
- 3. Under no circumstances are any wastes, spills or discharges of any type to be allowed to enter the storm drains anywhere on the Kleer Kast property. All spills of any material (dry, liquid or other) are to be immediately cleaned up.
- 4. Any spills attributed to RoseArt or its subcontractors which are not immediately cleaned up by you will be cleaned up by PMC at your expense.

In regard to the current situation, you were originally requested to clean up the oil by Friday, August 14, 1987. However, the job has yet to be completed to our satisfaction. If it is not completed by Friday, August 21, 1987, we will complete the job per paragraph 4 above.

Jeff Rosen/RoseArt

2

August 18, 1987

I am not asking any more from you than what I demand of PMC plant managers. If you wish to remain a tenant on our property, you have no choice but to conform to these requirements.

Sincerely,

Richard Cahayla-Wynne

Director of Environmental
Affairs

RCW:ps

cc: K. Griffith, PMC General Counsel





October 20, 1987

NT0031313

NJDEP
Water Quality Management - BPA
CN-029
Trenton, NJ 08625

RE: Kleer Kast, Div. of PMC, Inc., Kearny, NJ NJPDES Permit No. 0031313, August 1987 DMR

### Gentlemen:

As required by the conditions of our NJPDES permit, this letter addresses the TOC non-compliance in our non-contact cooling water discharge as reported on the September DMR.

We believe that this non-compliance was caused by trace amounts of petrolatum (mineral oil) which was carried into our discharge from a tenant's operation (Rose-Art) by storm water runoff during our monthly effluent monitoring.

Rose-Art had a small spill of this material on our property during August. While they did contain and clean it up (see attached letter), we believe that trace amounts found their way into our discharge point through storm drains because of heavy rains during our monthly monitoring.

This is not an ongoing problem. We have already completed our October monitoring and will report total compliance with all permit conditions in October. Although we have had considerable difficulty with faulty laboratory analyses in June through August and then this problem in September, we do not anticipate any further non-compliances.

Very truly yours,

Richard Cahayla-Wynne

Director of Environmental

a Coloyla - Wyrse

Affairs

RCW:ps

Enclosure

L PROTECTION

Carence Permits Admin.



# **Accredited Laboratories**

AUG 24 1988

Fig. or Pershing Avenue / Fig. Box 369 Carteret, New Jersex C7006-0369 Parkonome 1201 541-2025

ANALYTICAL DATA REPORT

for

Kleer Kast 450 Schulyer Avenue Kearny, NJ 07032

Project: August Water
ACCREDITED LABS CASE No. C-800709
DATE RECEIVED: 8/3/88

Client Sample ID

Field Sample # Laboratory Sample #

water

885162

Accredited Laboratories, Inc. New Jersey Certification Number 12486 This data has been reviewed and accepted by:

Suzanne S. Wiedman Laboratory Manager

SSW:jp 8/4/88



### Accredited Laboratories, Inc.

A sendary of AMAY, Inc.

Foot of Fershing Avenue, P.O. Box 369
Carteret, New Jersey 07008-0369
Telephone, (201) 541-2025



October 17, 1988

DEPT. ENVIRON. PROTECTION
Division Water Resources
Bureau of Permits Admin.

Base Neutral Analysis Report

0031313

Client: Kleer Kast

Sample # 885858

Field ID #J9 Pit

	Results	MDL	<u>Units</u>
acetone	180	50.0	ug/l
dimethyl phthalate	ND	20.0	ug/l
diethyl phthalate	ND	20.0	ug/1
di-n-butyl phthalate	· ND	20.0	<b>u</b> g/1
butyl benzyl phthalate	ND	20.0	ug/l
bis (2-ethylhexyl) phthalate	ND	20.0	ug/l
di-n-octyl phthalate	ND	20.0	ug/l



### Accredited Laboratories, Inc.

Commission of AMAX

Font of Pershing Avenue, P.O. Box 369
Carieret, New Jersey 07008-0369
Telechone: (201) 541-2025

August 5, 1988

Total Petroleum Hydrocarbon Analysis Report

Client: Kleer Kast

Project: August Water

Field#	Sample No.	<u>Results</u>	MDL	<u>Units</u>
	• .		•	
J-9 Pit	885162	ND	0.5	mg/1

Method Blank: <0.5mg/l
Mean Percent Spike Recovery: 93.0%
Relative Percent Difference of Duplicate Spikes: 0

TEIVED

PT. ENVIRON: PROTECTION Division Water Resources Bureau of Permits Admin.

### ACCREDITED LABS INC.

### Volatile Organic

SAMPLE:883639
DESCRIPTION: J-9
CLIENT: Kleer Kast

MATRIX: WATER ANALYSI: D. LISSY DATE: U6/29/88

		DETECT1UN
COMPOUND	RESULT (UG/L)	LIMIT (UG/L)
DENSEME	ND	2.2
BENZENE BROMODICHLOROMETHANE	ND -	1.1
· ·	ND	2.2
BROMOFORM	ND	1.4
CARRON TETRACHLORIDE	ND	3,0
CHLOROBENZENE CHLORODIBROMOMETHANE		1.5
CHLOROSIBROHONE FRANC	ND	5.0
2-CHLOROETHYVINYL ETHER	ND	5.0
CHLOROFORM	ON	1.0
1,1-DICHLORUETHAME	ND	2.3
1,2-DICHLOROETHAME	ND	1.4
1,1-DICHLORGETHYLENE	ND	1.4
1,2-DICHLOROPROPANE	ND	3.0
trans-1,3-DICHLOROPROPYLENE	ND .	2.5
1.3-DICHLOROPROPYLENE	ND	5.U
5,1,3-DICHLOROPROPYLENE HYLBENZENE	ND	3.6
METHYL BROWIDE	ND /	5. U
METHYL CHLORIDE	ИD	5.U
METHYLENE CHLORIDE	8.7	1.4
1,1,2,2,-TETRACHLORUETHANE	ND	3.4
TETRACHLOROETHYLENE	NU	2.0
TULUENE	ND:	3.0
1,2-TEANS-DICHLORGETHYLENE	ИD	1.0
1,1,1-TRICHLORDETHANE	ND	1.9
1,1,2-TRICHLOROETHANE		2.5
TRICHLOROETHYLENE	ND	1.0
TRICHLOROTRIFLUOROMETHANE	ND	5.0
VINYL CHLORIDE	ND	5.0
ACETONE	ND	5.0

### BMDL = BELUW METHOD DETECTION LIMIT

### NO = NONE DETECTED

SURROGATE	RECOVERY			RANGE
			•	
- TOLUENE-d8	103.	%		88-11u
p-BROMOFLUOROBENZENE	99.	%	•	86-115

### ACCREDITED LABS INC.

### BASE/NEUTRAL ORGANIC COMPOUNDS

SAMPLE:883639 DESCRIPTION: J-9 CLIENT: Kleer Kast MATRIX: WATER ANALYSI: D.LISSY

DATE EXTRACTED: 06/15/88
DATE ANALYZED: 06/22/88

		DETECTION	
C@ส₽@บุฟO		RESULT (UG/L)	LIMIT (UG/L)
Dimethyl phthalate	-	ND	1.6
Distayl phthalate	•	ND	22
Dibutyl phthalate		ND	2.5
Butyl Benzyl phthalate .		ND * ·	2.5
Bis(2-ethylhexyl)ohthalate		ND	2.5

BMOL = BELOW METHOD DETECTION LIMIT NO = NONE DETECTED

SUPPOSATE PECONERY		RANGE
Mitrobenzene-d5	53. %	35-114
2-Fluorobiphenyl	58. %	43-116



### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES CN 029, Trenton, N.J. 08625



## DISCHARGE SURVEILLANCE REPORT

and the control of th
PERMIT # NO. OF DISCHARGES 001 CLASS Moj - Ind
DISCHARGER Kleer Kast Inc.
OWNER P. M. C. Inc. 12234 Brodford St. Sun Valley CA 19352
MUNICIPALITY Kearny county Hudson WATERSHED CODE P
LOCATION 450 Schuyler Avenue
RECEIVING WATERS Frank's Creek - Passank, STREAM CLASS SE3
HICENSED OPERATOR & PLANT CLASS Mr. Edward Austin
T <del>rainee, assistant</del> other info. <u>997-1880</u>
DEFICIENCIES OR COMMENTS (DDMR'S for August, 1987 and May and July, 1988
revealed that the facility exceeded effluent limitations of DSN 001
for Total Suspended Solids concentration in violation of Part III - B/C,
Page 1 of 4 of NSPDES Permit No. NS 0031313 as detailed on page 3
of this report. @ Permittee must request the Dapartment to
modify the permit to include the storm water runoff. 3
Containment area ground acetone storage may need repair
to comply with BMP plan. (4) Hoses containing condensate
must be repaired . (5) DMR's must be completed properly as discussed during the impedien
OVERALL RATING
Environmental Specialist  EVALUATOR Helen Wright TITLE Environmental Compliance Investigator
INFORMATION FURNISHED BY (Name) Mr. Edward Austin
(Title) Plant Manager (Organization) Kleer Kast, Inc.

DATE OF INSPECTION - September 13, 1988



D.W.R.
DISCHARGE SURVEILLANCE REPORT



Page 2 of 3 (I)
Permit #: NJ003/3/3

7	TNDUSTR	TAT TO	EATMENT PROCESS EVALUATION
E .			= Marginal U = Unsatisfactory NA = Not Applicable
1	IIIG CODES. 3 - SALIBIACIO	RATING	COMMENTS
-	DISCHARGE # 00/	MATING	COMMENTS
1.			Was College to the for College Character Property
	WASTEWATER SOURCE(S)		Won Contact Cooling water for Costing & Stormuster Runoff  NCW-2+hrs /day 5-7 days Twk / Runoff - Internitent
ÜENKRAL	CONTINUITY OF OPERATION		NCCW-24 hrs 7day 5-7 days lik 1 Kunott - Internition
≅	BYPASSES/OVERFLOWS	NIA	
E N	S.P.C.C. PLAN	<u> </u>	BMP Implemented Murch 1988
	ALARM SYSTEMS	NA	·
	ALTERNATE POWER SUPPLY	NA	
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	DISPOSAL SITE	NA	
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П	FLOW METER & RECORDER	S	Flow meter and recorder Flow of lasp: 110,000 GPD
1 1	RECORDS	5	Permit, DMR's Note: DMR's must be properly completed.
il	SAMPLING PROCEDURES	5	Completed.
	ANALYSES PERFORMED BY	5	Company Personnel
<b>∖</b>	ANALISES LEAFURNED DI	<del></del>	Accredited Lobs, Inc. Carteret
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Form 9WR-053

SOURCE DMP'S



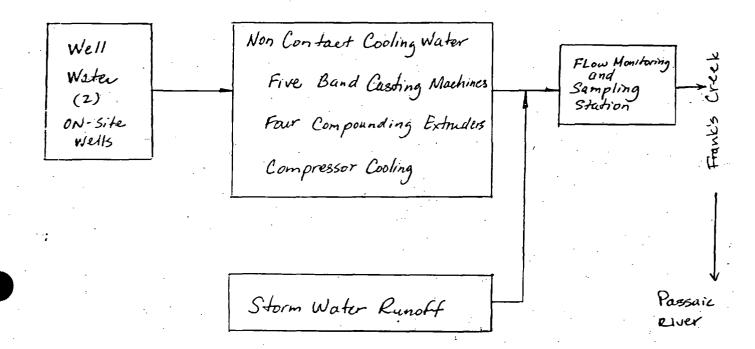
# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES CN 029, Trenton, NJ. 08625

DISCHARGE SURVEILLANCE REPORT

Page 3 of 3

Permit # 1003/3/3
Date Sept. 13, 1988

PLANT DIAGRAM AND FLOW SEQUENCE



No Samples Taken

PERIOD: August 1987 - August 1988 (Monthly DMP's)

### DISCHARGE DATA

SAMPLE TYPE DIS PARA Date PERMIT LIMITS **PERMIT LIMITS** DATA Violations DIS PARA 8/87 20mg/1. 30,8 mg/1 001 1755 5/18 801 TSS 20 mg/2 41 mgll 80.8 mg 12 7/88 001 1755 20 mgil

MONITORING DEFICIENCIES:



### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES CN 029, Trenton, N.J. 08625



### DISCHARGE SURVEILLANCE REPORT

PERMIT # NJ003/3/3 NO. OF DISCHARGES 001 CLASS Maj - Ind
DISCHARGER Kleer Kast Inc.
OWNER _ P. M. C. Inc. 12234 Brodford St. Sun Valley CA 19352
MUNICIPALITY Kearny county Hudson WATERSHED CODE P
LOCATION 450 Schuyler Avenue
RECEIVING WATERS Frank's Creek - Passank, STREAM CLASS SE3
ticensed operator & Plant Class Mr. Edward Austin
TRAINEE, ASSISTANT OTHER INFOOTHER INFO
revealed that the facility exceeded effluent limitations of DSN 001
for Total Suspended Solids concentration in violation of Part III - B/C,
Page 1 of 4 of NSPDES Permit No. NS 0031313 as detailed on page 3
of this report. @ Permittee must request the Dapartment to
modify the permit to include the storm water runoff. 3
Containment area around acetone storage may need repair
to comply with BMP plan. (2) Hoses containing condensate
must be repaired . (5) DMR's must be completed properly as discussed during the impution.
OVERALL RATING
Environmental Specialist  EVALUATOR Helen Wright TITLE Environmental Compliance Investigator
INFORMATION FURNISHED BY (Name) Mr. Edward Austin
(Title) Plant Manager (Organization) Kleer Kast, Inc.

DATE OF INSPECTION September 13, 1988

Page 2 of 3 (I)
Permit #: NJ003/8/3
Date: Sept. 13, 1988

N.J.D.E.P.
D.W.R.
DISCHARGE SURVEILLANCE REPORT

<del>/ '</del>	Rer Rast	TAT MIT	FATMENT PROCESS FUALILATION
-			EATIBILITY TROCESS EVALUATION
87	ILNG CODES: S = Satisfacto		= Marginal U = Unsatisfactory NA = Not Applicable
<u> </u>		RATING	COMMENTS
1	DISCEARGE # 00/		
1	WASTEWATER SOURCE(S)		Won Contact Cooling water for Casting & Stormunter Run off
1 =	CONTINUITY OF OPERATION		NCCW-2+ hrs /day 5-7 days link / Runoff - Intermitent
GENERAL	BYPASSES/OVERFLOWS	NIA	
Ž	S.P.C.C. PLAN		BMP Implemented Murch 1988
€	ALARM SYSTEMS	NA	The process of the second seco
	ALTERNATE POWER SUPPLY	NA	
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	RECORDS	5	Permit, DMR's Note: DMR's must be properly completed.
	SAMPLING PROCEDURES	S	Company Personnel
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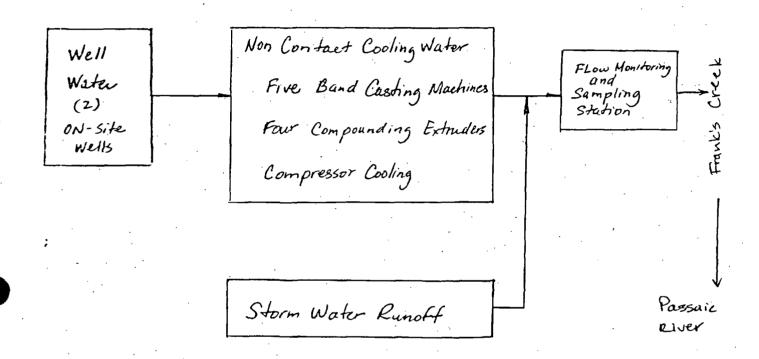
### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES CN 029, Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT

Page 3 of 3

Permit # <u>AJ003/3/3</u>
Date <u>Sept. 13, 1988</u>

PLANT DIAGRAM AND FLOW SEQUENCE:

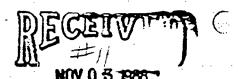


No Samples Taken

### DISCHARGE DATA

PERIOD: August 1987 - August 1988 (Monthly DMP's) DMR'S SOURCE SAMPLE TYPE DIS PARA Date PERMIT LIMITS DIS PARA **PERMIT LIMITS** DATA Violations 8/87 20 mg 12. 30,8 mg/1 DOI 155 5/88 801 ITSS 20 mg/l 41 imgil 7/88 20 mg/1 001 1755 80.8 mg/L

MONITORING DEFICIENCIES:



STATE OF ECOLOR EPT. BINEOUNEITH PE MYISION WATER RESON 19 BUL OF ME WESTE WINT,



State of New Jersey

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### DEPARTMENT OF ENVIRONMENTAL PROTECTION

**DIVISION OF WATER RESOURCES** METRO BUREAU OF REGIONAL ENFORCEMENT

2 BABCOCK PLACE WEST ORANGE, NEW JERSEY 07052

GEORGE G. NICCANN, P.E. DIRECTOR

DIRK C. HOFMAN, P.E. DEPUTY DIRECTOR

November 2, 1988

Mr. Larry Caso, General Manager Kleer Kast, Incorporated 450 Schuyler Avenue Kearny, NJ 07032

Compliance Evaluation Inspection Kleer Kast, Incorporated NJPDES No. NJ 0031313 Kearny/Hudson County

Dear Mr. Caso:

A Commpliance Evaluation Inspection of your facility was conducted by a representative of this Division on September 13, 1988. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

> Discharge Monitoring Report (DMR's) for the months August, 1987 and May and July, 1988, revealed that the facility exceeded effluent limitations at DSN 001 for Total Suspended Solids concentration in violation of Part III - B/C, Page 1 of 4 of NJPDES Permit No. NJ 0031313 as described below:

Parameter. Total Suspended

**Effluent** Limitation

8/87

DMR Results 5/88

7/88

Solids 20mq/1

30.8 mg/141mg/1

80.8mg/1

The inspection revealed that your facility has an unpermitted source of wastewater at DSN001 originating from storm water runoff. A permit

modification request for the purpose of including this wastewater source should be made to:

Mr. Jeffrey Reading, Acting Chief Industrial Discharge Permits Wastewater Facilities Management Element Division of Water Resources CN - 029 Trenton, NJ 08625

A Notice of Violation was issued to Kleer Kast during this inspection which addressed the violations reported in the DMR's.

The deficiencies noted above are significant violations of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Kathleen Beyer, the Environmental Specialist responsible for this case, who can be reached at (201) 669-3900, or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,

Thomas B. Harrington Supervisor, Compliance Monitoring Unit

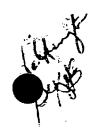
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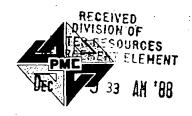
Monitoring Unit Metro Bureau of Regional Enforcement

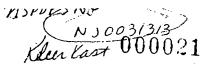
E17:G25

c: Mr. Edward Grosvenor, H.O. Mr. Jeffrey Reading, WMFE Mr. Michael Russo, WMFE Mr. Michael Fessler, PMC

Enclosure







November 30, 1988

Ms. Kathleen Beyer
NJDEP - DWR - Metro Field Office
2 Babcock Place
West Orange, NJ 07062

RE: September 13, 1988 Inspection November 2, 1988 Letter Kleer Kast - A Division of PMC 450 Schuyler Avenue, Kearny, NJ

Dear Ms. Beyer:

I am in receipt of the September 13, 1988 Notice of Violation (NOV) and the subsequent November 2, 1988 letter issued to PMC's Kleer Kast facility. The following is a response to the above noted NOV and letter.

### 1) TOTAL SUSPENDED SOLIDS

Our NJPDES permit requires one sampling per month minimum of our discharge. In order for us to maintain a schedule to be able to collect a sample, have it analyzed, and have results returned in sufficient time to file our Discharge Monitoring Reports (DMR's) in a timely fashion, we have discovered we need to collect our monthly sample within the first ten days of the month. It appears that when we sample during times of precipitation events, suspended solids from stormwater input appear to be washed into the J-9 pit discharge point from the paved parking areas.

We have taken the following corrective actions concerning TSS permit excursions:

i) The intake hose of our composite sampler was raised to the midpoint depth in the J-9 pit which is our compliance monitoring point. It was thought that perhaps the intake hose might be drawing in settled solids from the bottom of the J-9 pit.

ii) A permit modification request is being prepared for submittal to the Industrial Discharge Permit Group to include stormwater runoff in our discharge and to raise our TSS permit limit to 50 ppm.

### 2) PERMIT MODIFICATION TO INCLUDE STORMWATER RUNOFF

A permit modification request is being prepared for submittal to the Industrial Discharge Permit Group to include storm water runoff in our discharge. A copy of this request will be forwarded to you.

### 3) ACETONE STORAGE TANK SECONDARY CONTAINMENT AREA

Our acetone storage tanks are provided with full secondary concrete containment. It was noted during the September 13, 1988 inspection that it appeared that the acetone storage tank secondary containment area was not retaining collected rainwater. The containment area sump and joint between the containment base and sidewalls were sealed with a sealant. The containment area now withholds collected precipitation.

### 4) REFAIR OF CONDENSATE HOSES

During the September 13, 1988 inspection, NJDEP representatives noted what appeared to be a leaking hose. Upon closer inspection, it was discovered that this "leak" was condensate which collects on these pipes and hoses. All pipes and hoses have been inspected, joints tightened, and sections replaced which appeared worn. Currently no leakage from any pipe or hose is occurring.

### 5) PROPER COMPLETION OF DMR REPORTS

In the future, all DMR's will be properly completed as discussed during the September 13, 1988 inspection.

Should you have any additional questions, or if I can be of additional help, please contact me at 201/492-8744.

Respectfully submitted,

Michael E. Fessler

Michael & Tessla

Director

Environmental Affairs

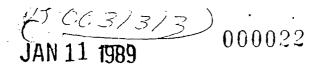
MEF/dv

cc: Jack Mulligan

A:NJPDES12.MF

### Accredited Laboratories, Inc.

Foot of Pershing Avenue, P.O. Box 369 Carteret, New Jersey 07008-0369 Telephone: 1200) 541-2025







DEPT. ENVIRON. PROTECTION Division Water Resources Bureau of Permits Admin.

ANALYTICAL DATA REPORT

for

Kleer Kast 450 Schulyer Avenue Kearny, NJ 07032

ACCRDITED LABORATORIES CASE NO: C-801116

DATE RECIEVED: 12/8/88

Client Sample ID

Field Sample # Laboratory

Sample #

water

887778

887779

Accredited Laboratories, Inc. New Jersey Certification Number 12486 This data has been reviewed and accepted by:

Yun-shen Lee, Ph.D. Technical Director

YSL: jp

ACCREDITED LABS INC.

BIX --- Organics

SAMPLE: 887778 DESCRIPTION: 1116 ULIENT: KLEER KART MATRIX: WATER
ANALYSI: F. BRAND
DATE: 12/20/88

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RESULT (UĞ/L)

DETECTION LIMIT (UG/L)

and the

ND

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BMDL = BELOW METHOD DETECTION LIMIT ND = NUNE DETECTED

### SURRUGATE RECOVERY

TÜLDERE dB p-BROMOFLUURUBENZENE 1,2-OTCHLÜRUETHANE-d4 94.% 104.% 108.% RECEIVED JAN 1 8 1989

DEPT. ENVIRON. PROTECTION
Division Water Resources
Pereso of Permits Admin.

#### ACCREDITED LARS THE.

#### Phthalates

Sample: 80 TTO AFROPIETION: CASE \$1116 OF FENT: FUND MATPIX: WATER AMOUNT: I. SAYOUS DATE EXTRACTED: 12/12/88 DATE AMALYZED: 12/13/88

		DETECTION	114
TO STORY IN TO	BESHILL GREAT	1 11117	ціва ў
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BWD1 = BELOW WETHOU DETECTION LIMIT

. Surrogate Pegover	λ	Range
Mitrobenzene-d5	74.%	35-114
2-Fluorobiphenyl	61.%	43-116
Terphenyl-d14	47.%	33-141

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JAN 18 1389

DEPT. ENVIRON. PROTECTION

Water Resources

Division Water Resources

Bureau of Permits Admin.

Foot of Pershing Avenue, P.O. Box 369 Canerat, New Jersey 07008-0369 Telephone (20h) 541-2025

December 13, 1988



Total Petroleum Hydrocarbon Analysis Report

Client: Kleer Kast

Project: J.9. Pit

Sample No.	Results	MDL	<u>Units</u>
887778	ND .	0.5	mg/l

QC Data

Method Blank: <0.5 mg/l
Mean Spike Recovery: 91.5
Relative Percent Difference Duplicate Matrix Spikes: 5.6



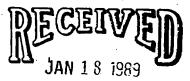
Foot of Persning Avenue, P.O. Box 369 Carteret, New Jersey 07008-0369 Telephone: (201) 541-2025

December 28, 1988



Sample ID No: 887778
Date Sampled: 12/8/88
Description: Composite
Client: Kleer Kast

Parameter	Results	MDL	Units
Wet Chemical			
		•	
TSS	ND	2.0	mg/l
TOC	2.3		mg/l



DEPT. ENVIRON. PROTECTION Division Water Resources Duscou of Pennils Admin.

000023

#### Accredited Laboratories, Inc.

" Foct of Pershing Avenue, P.O. Box 369 Carteral New Jersey 07008-0369 eecrcre (27, 541-2025



JUH 2 2 1989

ANALYTICAL DATA REPORT

DEPT OF ENVIRON, PROTECTION Division Water Resources Bureau of Information Systems

for

Kleer Kast 450 Schuyler Avenue Kearny, NJ 07032

ACCREDITED LABORATORIES CASE No. C-801564 DATE RECEIVED: 5/16/89

Client Sample ID

Field

Laboratory Sample #

Sample #

water

892354

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

Technical Director

YSL:jp

( NSUU3/3/3 C

#### Accredited Laboratories, Inc.

Port of Persing Alenue PO Box 369 Careral New Jersey 67008-0369 Teleprone (2011, 341-2026 Recd. MAY 22 1849. BIS

April 17, 1989



Total Petroleum Hydrocarbon Analysis Report

Client: Kleer Kast

Project: P.O. #3767

Date of Analysis & Extraction: 4/14/89

<u>Field</u> <u>‡</u>	Sample No.	Results	MDL	<u>Units</u>
2	891813	ND	0.5	mg/l

QC Data

Method Blank:

<0.5

Mean Spike Recovery:

97.3

Relative Percent Difference Duplicate Matrix Spikes: 0

\*Foal of Persting Avenue PO Box 369 Caterial New Jérsey 07006-0369 Telechone (201, 541-2025





April 24, 1989

891812

Sample ID No: Description: Composite From J-9 Pit P.O. #3767

Project:

Field ID:

4/14/89 Kleer Kast Date Sampled: Client:

<u>Parameter</u>	Results	MDL	<u>Units</u>
Wet Cherical		,	,
Date of Analysis: 4/19,5/5			·
TSS	4.5	2.0	mg/l
TOC	1.0		mg/l

Float of Persting Avenue IRO Box 369 Canerat New Jersey 07008-0369 Telechone (201), 541-2025



May 18, 1989

DECEIVED 2 2 1989

DEPT OF ENVIRON: FROTECTION Division Water Resources Bureau of Information Systems

Total Petroleum Hydrocarbon Analysis Report

Client: Kleer Kast

Date of Extraction: 5/16/89
Date of Analysis: 5/17/89

Sample No. Results		MDL	<u>Units</u>
892354	ND	0.5	mg/l

QC Data

Method Blank: <0.5
Mean Spike Recovery: 94.5
Relative Percent Difference Duplicate Matrix Spikes: 0

Soal of Persting Avenue, P.O. Box 369 Canteret. New Jersey 07006-0099 Teleprone (201, 547-2025



June 2, 1989 JUN 2 2 1989

DEPT OF ENVIRON PROTECTION Division Water Resources Bureau of Information Systems

Sample ID No: Date Sampled: Description: 892354 5-16-89

Composite J9 Pit

Client:

Kleer Kast

<u>Parameter</u>	Results	MDL	<u>Units</u>
Wet Chemical  Date of Analysis: 5/17	6/2		÷
TSS	ND	2.0	mg/l
TOC	ND	0.1	mg/l



#### State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES
METRO BUREAU OF REGIONAL ENFORCEMENT

2 BABCOCK PLACE WEST ORANGE, NEW JERSEY 07052

Eric Evenson Acting Director DIRK C. HOFMAN, P.E. DEPUTY DIRECTOR

October 6, 1989

Mr. John Mulligan, President Kleer Kast, Incorporated 450 Schulyer Avenue Kearny, NJ 07032

Re: Compliance Evaluation Inspection Kleer Kast, Incorporated NJPDES No. NJ0031313 Kearny/Hudson County

Dear Mr. Mulligan:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on August 1, 1989. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

- 1. An Unpermitted discharge of non contact cooling water from injection moulding machines was observed in Building #5.
- 2. Floatables, including plastic pellets, were observed in the effluent of DSN 001, at the monitoring/sample manhole, known as the J9 pit.

The deficiencies noted above are significant violations of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to insitute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Richard White, the Compliance Investigator responsible for this case, who can be reached at (201) 669-3900, or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,

Thomas B. Harrington

Supervisor, Surface Water Unit

Metro Bureau of

Regional Enforcement

A53:626

C: Chief, Permits Administrative Branch, USEPA

Mr. Patrick Durack, USEPA Mr. Edward Grosvenor, H,O.

bc: Zaheer Hussain James Lyko Central FIle



#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES CN 029, Trenton, N.J. 08625



#### DISCHARGE SURVEILLANCE REPORT

PERMIT # NJ 6031313 NO. OF DISCHARGES OOL CLASS NAJ-WD
DISCHARGER KLEER KAST, INC.
OWNER PMC TNC., 12234 BRANFORD ST., SUN VALEY, CA 9135Z
MUNICIPALITY KEARINY COUNTY HUDSON WATERSHED CODE
LOCATION 450 SCHULYER AVENUE
RECEIVING WATERS ERANKS CREEK TO PASSAIC KINGEREAN CLASS 5E3
-LICENSED OPERATOR & PLANT CLASS MR. JOHN MULLIGAN
TRAINEE/ASSISTANT PRESIDENT OTHER INFO. 997-1880
DEFICIENCIES OR COMMENTS
1. UNPERMITTED DISCHARGE IN BUILDING
<u>#5.</u>
2. FLOATING MATERIAL, SUCH AS,
PELLETS, AND OTHER FOREIGN
MATTER IS VERY VISABLE IN
THE MONITORING/SpMPLING MANHOLE,
KNOWN AS, THE J9 PIT.
OVERALL RATING
EVALUATOR RICHARD WHITE, TITLE ENVIRONMENTAL COMPLIANCE INVESTIGATOR
INFORMATION FURNISHED BY (Name) (Name) (Name) (Name) (Name)
(Title) PLANT MANAGER (Organization) KLEER KNST, INC.
DATE OF INSPECTION A VGUST 1,1989



#### N.J.D.E.P. D.W.R.



Page 2 of 3 (I)

Permit #: 1/3 003 1313

Date: 8/1/89

1	INDUSTRIAL TREATMENT PROCESS EVALUATION				
E.E.	EATING CODES: S = Satisfactory M = Marginal U = Unsatisfactory NA = Not Applicable				
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≝	BYPASSES/OVERFLOWS	NA	#STOEMWATER		
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	FLOW METER & RECORDER				
	RECORDS	3			
}	SAMPLING PROCEDURES	5	COMPANY PERSONNEL		
	ANALYSES PERFORMED BY	5	ACCEPITED LABSLAC, ( PLISTADT		
	·		ACCEPOTED LABS INC., ( SLISTADT CERT. # 12486		
INFORMATION	MANUFACTURE OF				
II.	PLATTIC SHEETWO.				
Ş	CELLVLUSE FLETON	<del></del>			
<u> </u>	TO THE TOTAL TOTAL				
I		<b></b>			
	· · · · · · · · · · · · · · · · · · ·	Ļ			
[ ]					
•		L			
ا ــ ا					
OTHER	35 EMPLOYEES				
0		<del></del>			
	FINAL EFFLUENT APPEARENCE	<u> </u>	Time		
}			TURBID		
]	DEC L'AMERC ARREADENCE				
1 /	REC. WATERS APPEARENCE	N.T.			

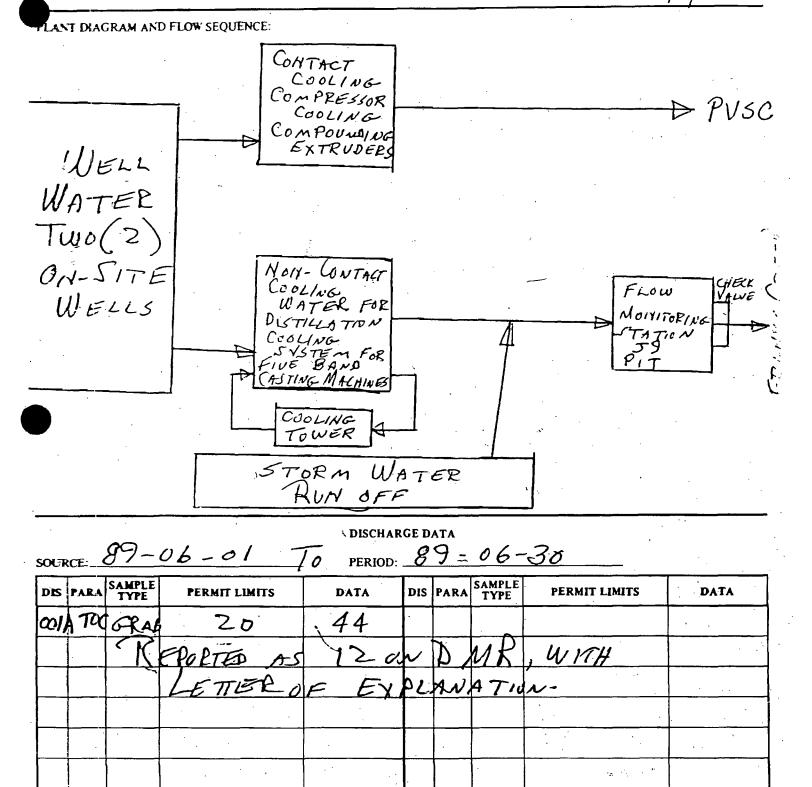


NITORING DEFICIENCIES:

# NEV RSEY DEPARTMENT OF ENVIRONMENTAL PRODUCTION DIVISION OF WATER RESOURCES CN 029, Trenton, NJ. 08625

DISCHARGE SURVEILLANCE REPORT

Page 3 of 3



DATE OF VISIT:

February 21, 1990

COMPANY NAME:

Kleer Kast - Kearny

COMPANY REP.:

Greg Joseph - Ed Austin

PVSC REP .:

Rick Quintieri, B. Wrede

PURPOSE:

Odor Complaint

#### SUMMARY

We inspected the facility to check the company's solvent application. The only solvent Kleer Kast used is acetone, which is stored in three above ground tanks in a diked area. They use the acetone with acetate and DEP (DiEthyl Phthalate) to make clear plastic sheets. Instead of using scrubbers, they recover the acetone vapors off the top of the process for reclamation.

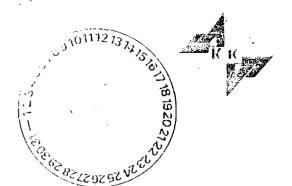
The recovery system begins with filtering the acetone vapor which is passed through a condensor/chiller through a carbon filter where its adsorbed for 30 minutes, then it is steam stripped before passing through another condensor/chiller before passing through a cracking tower. Mr. Joseph stated that acetone recovery systems discharges 99% water. Mr. Austin added that if the recovery system is not working properly, it will be immediately reflected in the product and the operation is stopped.

We inspected the discharge from the recovery system and their discharge point. No odors were detected at the time of the inspection.

Rick Quintieri

RQ/sl

HI HOG



450 Schuyler Avende Kearny, New Jorsey 07032 (201) 997-1880 TWX: 5106001641

March 6, 1990

Mr. Mario Graglia, Supervisor Passaic Valley Sewerage Commissioners (PVSC) Industrial Monitoring and Surveillance 600 Wilson Avenue Newark, NJ 07105

RE: March 1, 1990 Non-Compliance Event Permit #15405031-33206-0151

Dear Mr. Graglia:

On March 1, 1990, our facility unintentionally discharged approximately 50 gallons of fuel oil #6 to the sewer. The period of non-compliance lasted approximately 1 hour, from 4:30PM to 5:30PM. The PVSC was notified on Thursday evening immediately after discovery of the discharge.

The discharge was caused by a leak in a 2 inch fuel oil recirculating line in our boiler room. Immediately after the leak was detected by Kleer Kast personnel, the boiler was switched over from an oil feed to a gas feed.

The line was inspected on Friday by our Maintenance Department to determine the source of the leak. A small hole, measuring an 1/8 of an inch in diameter, was identified and subsequently repaired by maintenance personnel. A brand-new 2 inch replacement line has been ordered and will be installed as soon as we receive it.

We are currently in the process of evaluating several different alternatives aimed at preventing any future discharges of this nature from occurring. Once we have selected a specific course of action, you will be notified immediately.

If you have any questions or require further clarification on this matter, please contact me at (201) 997-1880.

Respectfully submitted,

Gregory Jøseph

Environmental Manager

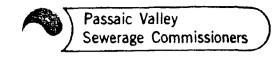
GJ/1h

JHARLES A LAGOS CHAIRMAN

HAYMÜRÜ EUCHKO VICE CHAIRMAN

ROBERT M BURKE JR THOMAS J CIFELLI KENNETH W HAYDEN FRANK ORECHIO (KINALD TUCKER

COMMISSIONERS



600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 CARMINE T PERRAPATÓ
EXECUTIVE DIRECTOR

ROBERT J. DAVENPORT DEPUTY EXECUTIVE DIRECTOR

> JAMES M PIHO CHIEF COUNSEL

NORMAN E DARMSTATTER CLERK

March 7, 1990

Kleer Kast 450 Schuyler Avenue Kearny, New Jersey 07032

Attn: Gregory Joseph

RE: NOTICE OF VIOLATION PERMIT #: 15405032 VIOLATION DATE: 03/01/90 SECTION VIOLATED: 312.1 (A)

Dear Mr. Joseph:

On March 1, 1990, You reported that Kleer Kast discharged 50 gallons of fuel oil into the sewer. This is a violation of section 312.1 (A) of the Passaic Valley Sewerage Commissioners Rules and Regulations which prohibits the discharge of flammable or explosive materials into the sewer.

Please respond to this letter in writing within 5 days with an explanation for this violation and with a plan to eliminate future occurrences.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato Executive Director

CTP/mc

cc: Robert Davenport, Deputy Executive Director Frank D'Ascensio

Town of Kearny





Foot of Pershing Avenue, P.O. Box 369 Carieret, New Jersey 07008-0369 Telephone. (908) 541-2025



ANALYTICAL DATA REPORT

for

Kleer Kast 450 Schuyler Avenue Kearny, NJ 07032

Project: PVSC Permit Renewal Compliance Samples

ACCREDITED LABORATORIES CASE No.: C-806217 DATE RECEIVED: 11/9/90

Laboratory Field ID Description Sample # KK-1-9 PVSC Composite/Grab 9008244

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

Yun-shen Lee, Ph.D. 1/26/90

Technical Director

YSL:JP

#### Accredited Laboratories Inc. Oil and Grease Analysis

Case Number: 806217 Matrix: Aqueous
Analyst: GS Date Analyzed: 11/13/90
Client: KleerKast Date Extracted: 11/13/90

Quality Control Number QC228A
Method Blank <0.5
Mean Percent Spike Recovery 104%
RPD of Duplicate Spikes 2.9

#### Accredited Laboratories Inc. Total Petroleum Hydrocarbon Analysis

Aqueous 11/13/90 11/13/90 Case Number: 806217 Matrix: Date Extracted: Date Analyzed: Analyst: GS Client: KleerKast Field # Sample # Result MDL ${\tt mg/L}$ mg/L====== ======= ======= =========

57.0

0.5

9008244

KK-1-9

Quality Control Number	QC228A
Method Blank	<0.5
Mean Percent Spike Recovery	104%
RPD of Duplicate Spikes	2.9

#### Accredited Laboratories Inc. Phenol Analysis

Case Number: Analyst: Client:	806217 CS Kleerkast	Matrix: Date Analyzed: Date Extracted:	Aqueous 11/13/90 11/13/90
Field #	Sample #	Result mg/L	====== MDL mg/L
=======		=======	=======
KK-1-9	9008244	0.33	0.01

Quality Control Number QC 047A
Method Blank <0.01
Mean Percent Spike Recovery
RPD of Duplicate Spikes 5.2

#### Accredited Laboratories Inc. Total Organic Carbon

CLIENT: KleerKast CASE #: 806217

MATRIX: Aqueous
ANALYST: RTW-Breen
DATE ANALYZED: 11/12/90

Result  $\mathtt{MDL}$ Field # Sample # mg/1mg/1KK-1-9 9008244 135 1

Quality Control Number: 13A Method Blank: ND

Spike Recovery: 109.6% RPD: 0.27

Foot of Pershing Avenue, P.O. Box 369 Carterel, New Jersey 07008-0369 Telephone (908) 541 2025



November 25, 1990

Sample No.: 9008244 Field ID: KK-1-9 Date Sampled:

Description: Project:

11/9/90 PVSC Composite/Grab PVSC Permit Renewal Compliance Samples Kleer Kast

Client:

<u>Parameters</u>	Results	MDL	Units
Metals Screen			
Date of Analysis: 11/15.1	9,23		
Cadmium Chromium Copper Iron Lead Mercury Selenium Tin Zinc	ND 0.03 0.14 ND ND ND ND ND	0.03 0.03 0.03 0.03 0.03 0.001 0.01 0.5 0.03	mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l
Wet Chemicals			
Date of Analysis: 11/9,12	,14,15		
Ammonia Nitrogen COD Mineral Suspended Solids Total Mineral Solids Total Solids pH	ND 685 437 1540 1760	0.1 2.0 2.0 2.0 2.0 0.05	mg/l mg/l mg/l mg/l mg/l SU

## PASSAIC VALLEY SEWERAGE COMMISSIONERS APPLICATION FOR A SEWER CONNECTION PERMIT

RENEID-00031

#### SECTION A

100-501

ι.	Company Name: Kleer Kast, Division of PMC, Inc.
2,	Permit number if applicable, 15405032
3.	Location: 450 Schuyler Avenue, Kearny, NJ
	Zip Code:07032
4.	Mailing Address: Same
	Zip Code:
5.	Person to contact concerning information provided in this application:
	Name of Contact Official: Gregory Joseph
	Title: Environmental Manager Phone No. (201) 997-1880
	Address: Zip Code
6.	Number of Employees - Full Time: 60 Part Time:
	Number of Work Days Per Year: 365
	Number of Shifts Per Day: 1-3
7.	If property is owned indicate block and lot numbers:
	Block #226, Lot #'s 3, 4, & 11
	Assessed Value: \$1,812,600 1990
8.	If property is rented indicate name and address of owner:
	N/A
	Total square feet rented:
9.	List NJPDES Permit number if applicable, NJ0031313 and
	name of receiving body of water entered Kearny Marsh TKATAS CONTRACTOR STORY
	A TO THE STATE OF
	All the second of the second o

#### SECTION B

#### TER DATA

10. Water Source: (Circle all appropriate answers)

Purchased

(Y)- N

11. Well

Ŷ) - N

If Y, is it metered

(Y)- N

River

Y - N

If Y, is it metered

Y - N

11. Name of purchased water supplier: Kearny Water Dept. - Kearny, NJ

List all Acct #s: 5-040-032.00

12. Water Received: From Mo. 10 Yr. 1989 Through Mo. 9 Yr. 1990

(\* Next to a figure means it is estimated).

	PURCHASED	WELL	RIVER	TOTAL
lst Qtr. 1990	6,526,063	28,849,000		35,375,063
2nd Qtr. 1990	6,461,955	27,541,000		34,002,955
3rd Qtr. 1990	3,501,622	28,162,000		31,663,622
4th Qtr. 1989	6,847,725	29,274,000		36,121,725

**GRAND TOTAL** 137,163,365

Report in gallons

13. Water Use and Disposition (\* Next to a figure means it is estimated).

	Gallons Sanitary/Combined Sewer	Discharged Stormsewer/ River/Ditch	Gallons Used Other
Sanitary Service Only	1,339,550		
Process Waste Water	44,497,504		
Cooling Water	41,477,504	84,468,143	
Evaporation			6,858,168
Contained in the product	$\rightarrow$	$\sim$	
Other (Describe)			
	1		

**GRAND TOTAL** 137,163,365

#### SECTION B (CONTINUED)

	Process wastewater which is discha	ithed as above	s is ine	ered as for	lows:
	to the Separate Sanitary Sewe	•	(Y)	1	
	to the Combined Sewer		(Y)-1	J	
	to a storm sewer		Y - 1	1	
	river or ditch		(Y) 1	Ĭ	
15.	Waste Hauler Information: List a	ll firms and/o	or inde	oendent coi	ntractors used to
	remove process waste or sludge fro	m this facility	y.		
	Contractor 79 Schuyler	Address		lcc#	Waste type handled
	Delbros.Inc. Kearny, NJ	Avenue 07032		Process	& Packaging Waste & Tra
\ D <b>D</b>	ERATIONAL CHARACTERISTICS	<u>DECTIO</u>	<u></u>		
6.	Discharge of Industrial Waste is con	ntinuous	X		
	or intermittent	each ope	rating	day.	
	If the discharge is intermittent, it	occurs betwee	en the f	ollowing ho	ours:
7.	Brief description of Manufacturing	or other activ	vity pe	formed: 1)	Manufacture of Cellulo
	Acetate Sheeting. 2) Co	mpounding	& Ext	rusion o	of Cellulose Acetate
	Resins,				
	List SIC CODE #: 3079				
8.	Principal Raw Materials used: Cel	lulose Ace	etate	(Fiber.	Flake & Powder)
		tone			
	Die	thyl Phtha	late		
9.	Principal Products or Services: Ce	llulose Ac	etate	Plastic	Sheet (Clear)
	Ce	llulose Ac	etate	Plastic	Resins (Colors Vary)
			-		•
			<del></del>		<del></del>
	<del></del>	· · · · · · · · · · · · · · · · · · ·			

### SECTION C (CONTINUED)

20.		oe seasonal variation						s, hours, et	c. Include
		his facility shutdown						ly the same	time each
			SECT	TON D					
MON	ITORIN	<u>G</u>							
21.	Describ	e any pretreatment	process or effluen	it monit	toring	syster	n in use:		
	Outlet_	15405031	None			·		<del></del>	
	-	15405032	None						
	Outlet_	·						······	
	Outlet_								
22.	Samplin	g information:							
Outle	t	Contains Ind. Waste	Ser	mpler T	уре		I	lefrigerated	
154	05031	Y	Peristaltic	Compo	site			Y	

#### SECTION D (CONTINUED)

23. Volume Information:

Outl	<u>et</u>	Daily Flow (Gallons)	Metered (Y - N)		Туре		Date	
15	405031	121,911	Y	2"	Parshall	Flume	6-7-90	
				<del></del>				
w								
24.	Frequency of calibra	tion of each flow	meter	Onc	ce a vear			
<b>₽</b> 11.		ition of each flow	meter		<u> </u>			

- 25. Attach a plot plan of the property showing:
  - (a) all existing or proposed sewer and drain lines (including outlets to a storm sewer, river or ditch);
  - (b) sample point(s); Monitoring or Pretreatment Equipment; Incoming meter(s); Well meter(s); Internal meter(s); Flowmeter(s).
  - (c) details of the connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.

#### SECTION E

#### LYSIS OF INDUSTRIAL WASTE

Analysis for Industrial Waste must be a proper sample taken for each outlet.

OUTLET NO. 1540503/

Report to the nearest unit: XX. except where indicated with (1) Example: 15 mg/l

Report to the nearest hundredth: 0.XX

except where indicated Example: 0.36 mg/l

Exami	10. 15	1116/1		ie. 0.30 mg/1				
Code	<u>Parameter</u>		Parameter		Value	Code	Parameter	Value
0200*		Radioactivity (PL-1)		1097 •	Antimony (Sb)			
0500		Total Solids	1760	1002*	Arsenic (As)			
0510		Total Mineral Solids	1540	1022*	Boron (B)			
0530		Total Suspended Solids	14	1027*	Cadmium (Cd)	∠.03 √/		
0552		Mineral Suspended Solids	437	1034*	Chromium Total (Cr)	<.03 N/		
0555	(1)(3)	Petroleum Hydrocarbons	57.0	1042*	Copper (Cu)	.03		
0310		Biochemical Oxygen Demand		1045*	Iron (Fe)	. 14		
		(BOD)	20	1051*	Lead (Pb)	∠.03·N		
0340		Chemical Oxygen Demand		0720*(3)	Cyanide (CN)			
		(COD)	685	1900*	Mercury(Report to 0.XX	x) < . 661		
0680		Total Organic Carbon		1067*	Nickel (Ni)			
		(TOC)	135	1147*	Selenium (Se)	∠ .^^\		
9000		pH (standard unit range)	7	1077*	Silver (Ag)			
0610	(1)	Ammonia as N	4.1 ND	1102*	Tin (Sn)	<i>N</i> Λ <b>∠</b> .50		
0550	(1)(3)	Total Oil & Grease	96.2	1092*	Zinc (Zn)	.08		
0745*	(1)	Sulfide		2730	Phenol	0 - 33		
0507*	(1)	Ortho Phosphates as P		4053*	Pesticides (Report			
0625*	(1)	Kjeldahl N as N			to 0.XXX)			
9998*	(2)(3)	TTO (Report to 0.XXX)		9999*(3)	TTVO(Report to 0.XXX)			

#### FOOTNOTES:

- (1) Report results to the nearesth tenth, i.e., 1.6 mg/l.
- (\*) Analyze for this if reasonably expected to be present in the discharge unless otherwise exempted.
- (2) See instructions.
- (3) Grab sample required.

REVISED 1/87 REVISED 8/89

REVISED 7/90

# SECTION E (CONTINUED)

Samples collected by: Gregory	Joseph - Environm	ental Manager	
	,	Date: 11-9	-90
Samples analyzed by: Accredit	ited Laboratories,	Inc., P.O. Box 369	, Foot of
Pershing Ave., Carteret,	, NJ 07008	Date: 11-	-90
Products being manufactured who	en sample was collected:	: Cellulose Acetate	Resins
Who performs the analyses of the	e samples for User Charg	re?	
Accredited Laboratories	, Inc Carteret,	NJ	
Who performs the analyses of the			
(If monitoring has not commend unknown, so state):	eed for Pretreatment, i	ndicate Laboratory you p	lan to use. If
Is The Laboratory certified by N.Y - N <u>N/A</u>	JDEP to conduct all the	required Pretreatment ans	alyses?
Based upon knowledge of materi that best describes the potential your discharge.			-

# SECTION F

### RETREATMENT

Industrial Category: Plastics Molding and Forming (SIC#3079) Subpart (s): A & B
Compliance date(s): 1-30-85
Is facility in compliance? Yes If not, and if compliance date has passed, explain actions being taken to get into compliance:
Date Baseline Monitoring Report (BMR) submitted to PVSC: N/A
Compliance schedule submitted? N/A
If yes is facility on schedule? Explain if compliance date will not be met:
Does this facility come under the Resource Conservation and Recovery Act (RCRA)?  No
Does this facility have a Spill Prevention Control and Countermeasures (SPCC) plan?  If yes, describe:  No
Has this facility ever been cited by NJDEP or EPA for a violation of State or Federa Regulations for the nature of its wastewater discharge? Y - N Y
Is this facility under an ECRA Clean-up? No If so, has a plan been approve by NJDEP:

#### CERTIFICATION\*:

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing official:

Gregory S. Joseph

PRINT

TITLE: Environmental Manager

11-26-90 DATE Glegory S. Joseph SIGNATURE

#### \*APPLICATION MUST BE SIGNED BY ONE OF THE FOLLOWING:

- a. Principal Officer of Corporation
- b. President or Owner of Company
- c. General Partner if a Partnership
- d. Plant Manager or Authorized Representative

#### TABLE 1 EPA PRIORITY POLLUTANTS

ME	A	В	C	D		A	В	C	D
cenaphthene			V	}	2,4 dimethylphenol			V	
acrolein			1	1	2,4 dinitrotoluene	T -	l –	1	 !
acrylonitrile			V		2,6 dinitrotoluene		·		
benzene			V		1,2 diphenylhydrazine	1		V	
benzidine	1		1		ethylbenzene	<b>—</b>			
carbon tetrachloride	1		1		fluoranthene			1	i
(tetrachloromethane)			7		4-chlorophenyl phenyl ether			V/	i
chlorobenzene			177		4-bromophenyl phenyl ether		1	17	
1,2,4-trichlorobenzene	1		1	1	bis(2-cloroisopropyl) ether	İ		1	/ · · · ·
hexachlorobenzene	1		\ \sqrt{/}	<b>/</b>	bis(2-chloroethoxy) methane		<del> </del>	V	<del></del> 7
1,2 dichloroethane	1		17	1 1	methylene chloride	<b>\</b>	ł		/
1,1,1, trichlorethane	1		/		(dichloromethane)			1	<b>-</b>
hexachloroethane	†		1		methyl chloride		ļ	7	
1,1, dichloroethane	<del></del>		1	<del></del>	(chloromethane)	<u> </u>	<u> </u>		
1,1,2 trichloroethane	1		17	<del>                                     </del>	methyl bromide			7	1122
1,1,2,2, tetrachloroethane	1	<u> </u>	1		(bromomethane)	-		/	
chlorethane	1		1		bromoform(tribromomethane	1	<del> </del>	7	
bis(chloromethyl) ether	1		17	<del>                                     </del>	dichlorobromomethane	1	<b></b>	1	<u> </u>
bis(2 chloroethyl) ether	<del> </del>	<del></del>	1/	1	trichlorofluoromethane	<del> </del>		\ <u>\</u>	
2-chloroethyl vinyl ether (mixed)	1	<del>-</del>	+ <del>-*/</del> /		dichlorodifuoromethane	<del></del>	<del> </del>	<del>                                     </del>	<del> </del>
2-chloronaphthalene	<del> </del>		<del>                                     </del>		chlorodibromomethane			1	7.5
2,4,6, trichlorophenol	<del>}</del> -	<u> </u>	1 1/	<del> </del>	hexachlorobutadiene	1	·}	1-3/	<b>}</b>
parachlorometa cresol	-		\ \ \//	<del>  </del>	hexachlorocyclopentadiene	┪╌┈	+-	1	ł
chloroform (trichloromethane)	<del> </del>		\ <del>-\//</del>	1,	isophorone	<del> </del>	┧	1-7/	ł
2 chlorophenol	<del></del> -	<u> </u>	<b>₩</b>		naphthalene	<del> </del>	· <del> </del>	1-1/	ļ
1,2, dichlorobenzene		<b></b> -	1 1		nitrobenzene		ļ	<del>  \</del>	ł
1,3, dichlorobenzene	<del> </del>		1		2-nitrophenol	1	<b></b>	1	1
1,4, dichlorobenzene	<del>                                     </del>	<u> </u>	1	<del>  </del>	4-nitrophenol	┼──	<del> </del>	1	ľ∕—
3,3, dichlorobenzidine	<del>\</del>	<b></b>	17	V	2,4-dinitrophenol	<del> </del> -	<b>-</b>	17	<del> </del>
1,1, dichloroethylene	+	<b>-</b>	1	<b>Y</b>	4,6 dinitro-o cresol	†	<del> </del>	1 5	<del>[</del> ;
1,2, trans-dichloroethylene	1	ļ	1 1/		N-nitrosodimethylamine	1	<del>                                     </del>	17	/
2,4, dichlorophenol	<del>                                     </del>	<del>                                     </del>	\ <del>\ \ /</del>	,	N-nitrosodiphenylamine	╁──	<del>                                     </del>	1	17
1,2, dichloropropane	$\vdash$		11		N-nitrosodi-n-proplyamine	1	†	1 🕏	<b>†</b>
1,3 dichloropropylene	1		1.1	1	pentachlorophenol	<del></del>	<del> </del>	+ -	<del> </del>
(1,3 dichloropropene)	<del>                                     </del>	<del> </del>	╁	$\vdash$	phenol	<del> </del>	<del> </del>	<del>                                     </del>	<b></b> ,
(1)e diamet optopolic,	1 _		\	\ \ \		<u> </u>		<u> </u>	١V

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

# TABLE 1 EPA PRIORITY POLLUTANTS (CONTINUED)

.B.	A	В	С	D		A	В	С	D
(2-ethlhexyl) phthalate			,	V	endrin				
atylbenzylphthalate		,	V		endrin aldahyde	1		Z	
di-n-butylphthalate		V			heptachlor				· - ·
di-n-octylphthalate	• /	·	V		heptachlor (epoxide)		`	1/	-
diethylphthalate	1		7		BHC Alpha	1		Z	
dimethylphthalate			7		BHC Beta				<del> </del>
benzo(a)enthracene					BHC Gamma			V.	
benzo(a)pyrene			1	7	BHC Delta			V	7
3,4 benzofluoranthene				7	PCB-1242				7
benzo(k)fluoranthane				<b>-</b> -	PCB-1254				
chrysene		<del>                                     </del>	1	,	PCB-1221			V	7
acenaphthylene				<i></i>	PCB-1232				$Z^{-}$
anthracene		<u> </u>	V		PCB-1248				<del>/</del>
benzo(ghi)perylene			V	/	PCB-1260				.7
fluorene			V	/	PCB-1016				7
phenanthrene			V	/	toxaphene			V	
dibenzo(a,h)anthracene			V		antimony (total)			V	·
indeno(1,2,3-c,d)pyrene			V	1	arsenic (total)			V	
pyrene			V	1	asbestos (fibrous)			V	
trachloroethylene			V	7	beryllium (total)			V	ľ
uene			V	7	cadmium (total)		<b>V</b> /		
trichloroethylene			V	1.	chromium (total)				
vinyl chloride				7	copper (total)				
aldrin				1	cyanide (total)				
dieldrin			V	i	lead (total)		<b>V</b> /		
chlordane			V	/	mercury (total)			/	
4,4 DDT					nickel (total)		1	V	1
4,4 DDE				7,	selenium (total)		7	7	
4,4 DDD			V	/_	silver (total)	1-			<b></b>
endosulfan I			V		thallium (total)	1	/	<b>V</b>	<b>—</b>
endosulfan 11			V		zinc (total)		<b>V</b>	7	ļ.—-
endosulfan sulfate			V		2,3,7,8, tetrachlorodibenzo	1		<b>V</b>	7
					p-dloxin				

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
  C. KNOWN TO BE ABSENT
  D. SUSPECTED TO BE ABSENT

# TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

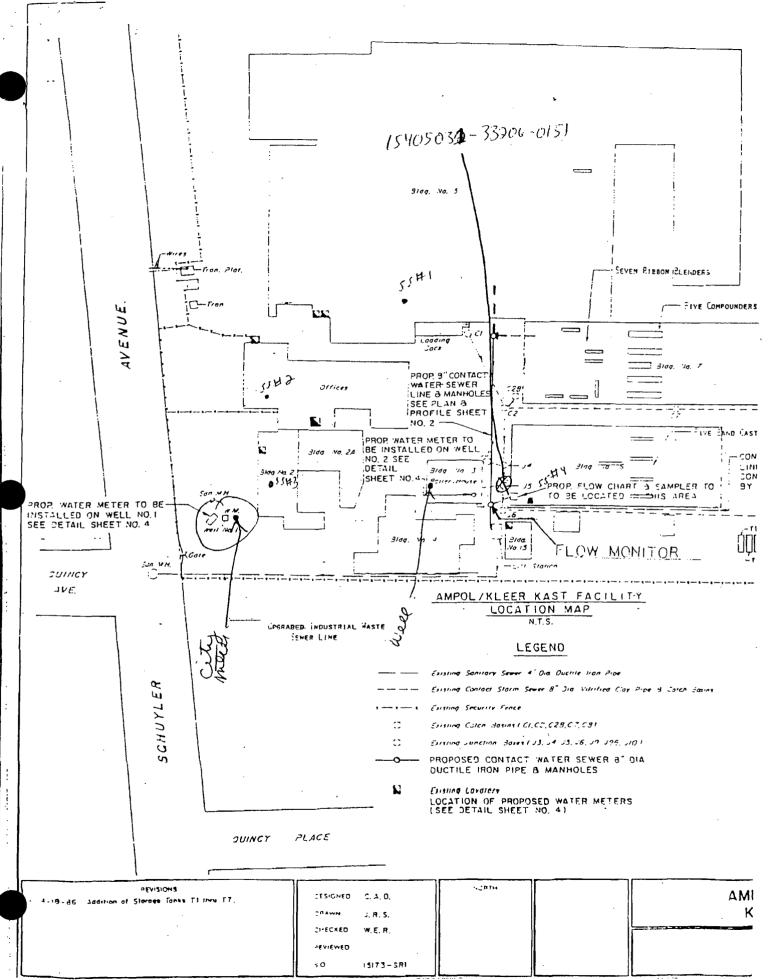
š	A	В	C	D		A	В	$\mathbf{c}_{/}$	D
<sub>/lamide</sub>				1	n,n-dimethyl aniline		<u> </u>	1	
litrole			V.		3,3-dimethyl benzidine			$V_{i}$	
myl alcohols			V	1	1,1-dimethylhydrazine			1	<u></u>
milne hydorchloride			V		dioxane	_		1	1
anisole				1	diphenylamine				
auramine				$\Delta$	ethylenimine		<u>.</u>	<b>V</b> /	
benzotrichloride			V	1	hydrazine			V	
benzylamine			1 4		4,4'-methylene bis	$\Box$ L		· 🗸	1
					(2-chloroaniline)				
o-chloroaniline				1	4,4'-methylenedianiline			1	1
m-chloroaniline			V	X	methyl isobutyl ketone				Ţ
o-chloraniline			V	1/	alpha-naphthylamine beta-naphthylamine				
l-chloro-2-nitrobenzene			V	<i>X</i>					
l-chloro-4-nitrobenzene		<u> </u>	1	1	n-methylaniline			<u>J</u> /	7
chloropr <b>ene</b>		L	$\perp \checkmark$	4	1,2-phenylenediamine	_		1_/	
chrysoldine		<b> </b>	14	A/	1,3-phenylenediamine		-l	\ <u>\</u>	
umene		<u> </u>	1	<i>k</i>	1,4-phenylenediamine	L	_l_/	J V	1
2,3-dichloroaniline		<u> </u>	<u></u>	<u>//</u>	sudan 1 (solvent yellow 14)	l_	1		4
,4-dichloroaniline		1	1 V	4	thiourea		}	1 1/	/
,5-dichloroaniline		<u> </u>	1 4	/X/	toluene sulfonic acids			\ \ <b>V</b> /	A .
,4-dichloroaniline		<b> </b>	14	//	toluidines		 	1. 1/	
3,5-dichloroaniline			1.	<b>/</b> }	xylidines		_	1. 1	
,3-dichloropropene	·	<u> </u>	1->	/		.		·	
1,3-dimethoxybenzidine	1		٧		1	- 1	Ì	!	1

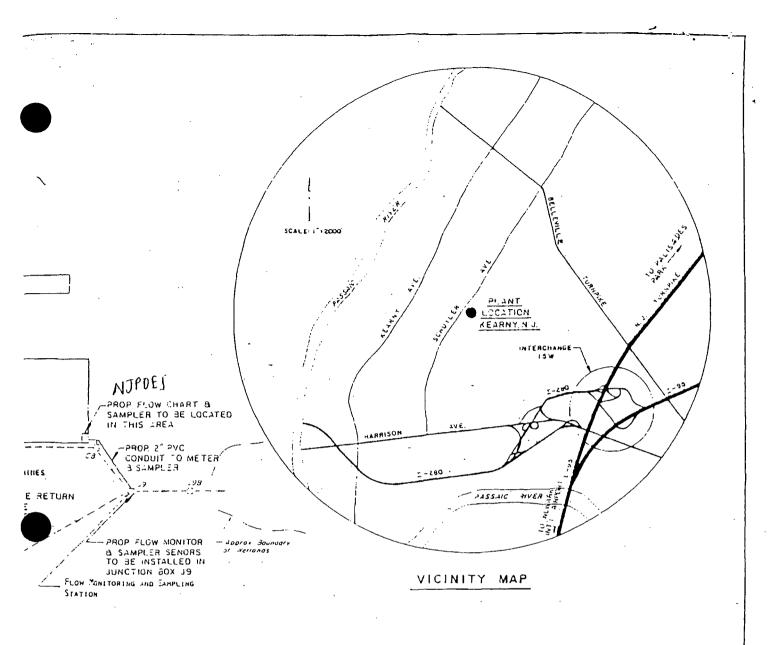
- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

# TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

NAMB	A	В	C	D		A	В	c	D
ethanolamine		$\checkmark$	/	7	uranium			1	
ethion			V/		vanadium				1 –
ethylene diamine			1	,	vinyl acetate			1	7
ethylene dibromide			1	,	xylene			1	
formaldehyde			1		xylenol			$\Box$	
iuriural			V		zirconium			V	
guthion			V				1	}	
isoprene			1			Ì		}	1

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT





#### STOLAGE TANK SECTION

- 71 1,000 gal, Acecoes Tank
- 72 3,000 tel. Acecess lask
- 73 10,000 gal, Acetoon "sate



KER / TSA ER. PENNSYLVANIA



WASTE WATER FLOW

SHIET NO.

DATE FEBRUARY, 1986

177711 1 91





# MleerMast

A Division of PMC Indicated A

(201) 997-1880 TWX: 5106001641

December 24, 1990.

Mr. Theodrilus Ashie
State of New Jersey
Department of Environmental
Protection
Division of Water Resources
Metro Eureau of Regional Enforcement
2 Babcock Place
West Orange, NJ, 07052

PE Compilance Evaluation Inspection - October 23, 1990 Kleer Kast - NJ0031313

Dear Mr Ashie.

I am writing in response to your Department's November 26, 1990 letter regarding the above referenced inspection.

Kleer Kast is currently engaged in an extensive investigation to uncover the cause of the TOC Non-Compliance in August. As of this date in time, our investigations have yet to reveal a probable cause for the elevated TOC value reported on the August DMR. Further investigation and study will be required in order to isolate the problem.

It bears mentioning that a similiar event involving elevated TOC readings occurred back in 1987. Several successive high TOC results prompted Management to conduct an in-depth investigation of the problem. The investigation concluded that our testing laboratory, International Testing Laboratories Inc., was at fault for reporting inaccurate TOC results. International analysts were not performing the test method properly and were failing to account for the inorganic carbon fraction during the procedure. As a result, the values that were reported were representitive of total carbon and not total organic carbon.

In light of the events of 1987, we are currently focusing our investigation on the test methods and procedures utilized by our present lab, Accredited Laboratories, Inc. Accredited has been contacted and aprised of the situation. They have agreed to conduct an in-depth audit of their method and procedures and have promised to contact me upon it's completion.

In view of the aforementioned developments, we are not prepared at this time to furnish you with a Corrective Measure's Report as was required in your Department's letter. We respectfully request a one (1) month extension on the reporting deadline so that we will have ample enough time to complete our investigation and to formulate a corrective action strategy

If you have any questions concerning the above or would like to discuss this matter in further detail, please contact me at (201): 997-1880. Thank you for your consideration of our extension request.

Respectfully submitted,

Gregory Joseph

Gregary Jose

Environmental Manager

6H/In

cc: Chief, Permits Administration Branch - USEPA





A Division of PMC Inc. WATER CHOURGES
450 Schuyler Avenue 100 MENT SECTIVE HENT
Kearny, New Jersey 07032
(201) 997-1880 JAN 23 3 38 AM '91
TWX: 5106001641

January 28, 1991

Mr. Theophilus Ashie
State of New Jersey
Department of Environmental
Protection
Division of Water Resources
Metro Bureau of Regional Enforcement
2 Babcock Place
West Orange, NJ 07052

PE Compilance Evaluation Inspection - October 23, 1990 Kleek Kast - NJ 0031313

Dear Mr. Ashie

As was previously indicated in my letter of December 24, 1990, Kleer Kast has been conducting an investigation into the TOC exceedance which occurred back in August 1990. Our preliminary results seem to indicate that the cause of the TOC excursion was probably source related and not process related.

Recent sampling conducted on our water supply, two (2) on-site wells, indicates that our well water contains elevated levels of TOC. Well water is used exclusively to meet the non-contact cooling water requirements of our Casting operation.

Sampling Date	WellLocation	TOC(MG/L)
12-10-90	Upper	25
12-10-90	Lower	17
1-17-91	Upper	12
1-17-91	Lower	20,

1343

We are hesitant at this time to formulate a final conclusion on our water supply based on just two (2) rounds of sampling. Further investigation will be required in order to reach a final conclusion. To this end, additional sampling and testing of our water supply will be conducted over the next few months. Upon completion of this testing, a summary of our results and conclusions will be forwarded to your office for review.

If you have any questions concerning the above or would like to discuss this matter further, please contact me at (201)997–1880.

Respectfully submitted,

Gregory Joseph

Environmental Manager

: 6J/16



# Weerhast

450 Schuyler Avenue Kearny, New Jersey 07032 (201) 997-1880 TWX: 5106001641

FEBRUARY 21,1991

114-658

PASSAIC VALLEY SEWERAGE COMMISSIONERS 600 WILSON AVENUE NEWARK, NEW JERSEY 07105

ATTN: INDUSTRIAL DEPARTMENT

RE: HAZARDOUS WASTE DISCHARGE NOTIFICATIONS

DEAR PVSC:

PURSUANT TO THE RECENT CHANGES TO THE GENERAL PRETREATMENT REGULATIONS, 40 CFR 403, PLEASE FIND ENCLOSED THE REQUIRED HAZARDOUS WASTE NOTIFICATIONS FOR OUR FACILITY.

SHOULD YOU HAVE ANY QUESTIONS OR REQUIRE ANY ADDITIONAL INFORMATION CONCERNING THE ENCLOSED, PLEASE CONTACT ME AT 201-997-1880.

RESPERTFULLY SUBMITTED,

BREGORY/JOBEPH

ENVIRONMENTAL MANAGER

ENCL.

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

GREGORY JOSEPH OF KLEER KAST, DIVISION OF PMC, INC. HEREBY CERTIFIES THAT A PROGRAM IS IN PLACE TO REDUCE THE VOLUME AND TOXICITY OF HAZARDOUS WASTES GENERATED TO THE DEGREE IT HAS BEEN DETERMINED TO BE ECONOMICALLY PRACTICAL.

HAZARDOUS WASTE NAME: BARIUM

EPA HAZARDOUS WASTE NO.: DO05

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: CADMIUM

EPA HAZARDOUS WASTE NO.: DOOG

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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VOLUME AND TOXICITY OF HAZARDOUS WASTES GENERATED TO THE
DEGREE IT HAS BEEN DETERMINED TO BE ECONOMICALLY
PRACTICAL.

HAZARDOUS WASTE NAME: CHROMIUM

EPA HAZARDOUS WASTE NO.: DO07

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HEREBY CERTIFIES THAT A PROGRAM IS IN PLACE TO REDUCE THE
VOLUME AND TOXICITY OF HAZARDOUS WASTES GENERATED TO THE
DEGREE IT HAS BEEN DETERMINED TO BE ECONOMICALLY
PRACTICAL.

HAZARDOUS WASTE NAME: LEAD

EPA HAZARDOUS WASTE NO.: DOOB

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: MERCURY

EPA HAZARDOUS WASTE NO.: D009

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: SELENIUM

EPA HAZARDOUS WASTE NO.: DOIO

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: DIBUTYL PHTHALATE

EPA HAZARDOUS WASTE NO.: U088

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: DIMETHYL PHTHALATE

EPA HAZARDOUS WASTE NO.: U102

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW MAY BE PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE MAY EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: PHENOL

EPA HAZARDOUS WASTE NO.: U188

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW IS PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE DO EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: 1,1,1-TRICHLOROETHANE

EPA HAZARDOUS WASTE NO.: FOOT

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW IS PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE DO EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: ACETONE

EPA HAZARDOUS WASTE NO.: F003

TYPE OF DISCHARGE: CONTINUOUS

PURSUANT TO THE REQUIREMENTS OF 40 CFR 403, THE WASTE LISTED BELOW IS PRESENT IN THE WASTEWATER EFFLUENT DISCHARGED FROM THIS FACILITY TO THE PASSAIC VALLEY SEWERAGE COMMISSIONERS POTW. DISCHARGES OF WASTESTREAMS CONTAINING THIS WASTE DO EXCEEDE 15 KILOGRAMS PER CALENDER MONTH.

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HAZARDOUS WASTE NAME: DIETHYL PHTHALATE

EPA HAZARDOUS WASTE NO.: U088



# State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF FACILITY WIDE ENFORCEMENT METRO BUREAU OF REGIONAL ENFORCEMENT 2 BABCCCK PLACE WEST ORANGE, NEW JERSEY 07052

(201) 669-3900

March 31, 1992

Mr. John Mulligan, President Kleer Kast, A Division of PMC, Incorporated 450 Schuyler Avenue Kearny, NJ 07032

Re: Discharge Analytical Results

Kleer Kast

NUFDES No. MU0031313 Kearny/Hudson County

Dear Mr. Milligar:

E36:E29:G26

Analysis of effluent grab samples collected by the representatives of the Division of Facility Wide Enforcement at the Kleer Kast facility on October 17, 1991, have yielded the following results:

Farameter	:	Results
TSS TOC PHC Chloride	-	8.0 mg/l 4.9 mg/l 1.0 mg/l 26.0 mg/l
Abbreviations used:	TSS TOC PHC	<ul><li>Total Suspended Solids</li><li>Total Organic Carbon</li><li>Petroleum Hydrocarbons</li></ul>

If you have any questions regarding this correspondence, contact Anthony Memoli at (201) 669-3900 or by a letter through this Bureau.

Very truly yours,

Theophilus Ashie

Senior Environmental Specialist

Metro Bureau of Water and

Hazardous Waste Enforcement

New Jersey is an Equal Opportunity Employer Recycled Paper



#### Accredited Laboratories, Inc.

Foot of Pershing Avenue, P.O. Box 369 Carteret, New Jersey 07008-0369 Telephone, (908) 541-2025



#### ANALYTICAL DATA REPORT

for

KleerKast 450 Schuyler Avenue Kearny, NJ 07032

Project: June 92' PVSC Compliance Samples

ACCREDITED LABORATORIES CASE No.: 155 DATE RECEIVED: 6/12/92

Field ID

Laboratory Sample #

KK-1P-2P

9203972

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

Yun-shen Lee, Ph.D.

Technical Director

YSL: jp

# Accredited Laboratories, Inc. Biochemical Oxygen Demand

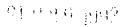
Client:	KK			Date	Sampled:	06/12/92
Case #:	155			Date	Received:	06/12/92
Matrix:	Aqueous			Date	Prepared:	06/12/92
Analyst:	JJD	•		Date	Analyzed:	06/17/92

==========	=======================================		
		Result	MDL
Field #	Sample #	mg/L	mg/L
=========			-==========
KK1P-2P	9203972	12.2	2.0
1/1/11 51	2203212	14.4	2.0

Method Blank:

#### Accredited Laboratories, Inc.

Foot of Persning Avenue, P.O. Box 369 Carteret, New Jersey 07008 0369 Telephone (908) 541-2025





ANALYTICAL DATA REPORT

for

KleerKast
450 Schuyler Avenue
Kearny, NJ 07032

Project: September 92' PVSC Compliance Samples

ACCREDITED LABORATORIES CASE No.: 1041 DATE RECEIVED: 9/10/92

Field ID

Laboratory Sample #

KK1P-2P

9207147

Techrical Director

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

YSL:jp

9/192-9/36/92

A Subsidiary of AMAX

## Accredited Laboratories, Inc. Biochemical Oxygen Demand

Client:	KK	Date Sampled: Date Received: Date Prepared: Date Analyzed:	09/10/92
Case #:	1041		09/10/92
Matrix:	Aqueous		09/11/92
Analyst:	JJD,JD		09/16/92
Field #	Sample #	Result mg/L	MDL mg/L

80.0

9207147

KK1P-2P

Method Blank:

2.0

## Accredited Laboratories, Inc. Residue, Non-filterable (TSS)

Client: KLEERKAST Matrix: Aqueous

 Case #: 1041
 Date Received: 09/10/92

 Analyst: RC
 Date Prepared: 09/11/92

 Date Analyzed: 09/11/92

| Result MDL | Field # | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L

KK1P-2P 9207147 13 2

Quality Control Number: 920818T Method Blank: < 2 RPD of Duplicate Samples: 0.00



# Meerkasi.

000038 NJ0031313

"A Division of PMC Inc." 450 Schuyler Avenue Kearny, New Jersey 07032

December 22, 1992

NJ Department of Environmental Protection Division of Water Resources Water Quality Management Bureau of Permits Management CN-029 Trenton, NJ 08625

Dear Sirs:

This is to inform you that Kleer Kast is having an Emergency shutdown due to water damage to our Plant Facilities. The shutdown has been in effect since December 12th, 1992. Due to the storm on the above date, we anticipate production to resume on/about January 4th, 1993.

If you have any questions, please feel free to call me.

Yours Sincerely,

Gus Mastroianni Environmental

Safety&Health Mgr.

TEL: (201) 997-1880

FAX: (201) 997-8071

PCF 000314

TWX: 5106001641



# Meerwast

"A Division of PMC Inc." 450 Schuyler Avenue Kearny, New Jersey 07032

April 30, 1993

Mr. Frank D'Ascensio Manager, Industrial & Pollution Control Passaic Valley Severage Commission 600 Wilson Avenue Newark, NJ 07105

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: 11	'S (IM) =	1 pruy	
	omi (MG (MA) U		
1.5	to (Am)		
	-		
i.			٠

AC(10)

Dear Mr. D'Ascensio,

Approximately 100 gallons of rainwater, containing approximately two ounces (156 mg/l) of Diethyl Phthalate had accumulated in our tank farm in the back of the property. Our company wanted to discharge this water, containing a nonregulated substance to the sewer with PVSC's approval. Andrew Caltegerone of PVSC was notified on Wednesday about kleer Kast's intentions to pump the water to the sewer. Kleer Kast's maintenance Department was notified not to pump the water until given an approval by me; however, a misunderstanding occurred and this water was pumped to the sewer. Since the water was not pumped at our final discharge point to the sewer, the actual oil concentration entering the sewer was much less than 100 mg/l (the limit level allowed by FVSC regulations) due to water dilution.

Please call me at (201) 997-1880 if you have any questions or require additional information.

Sincerely,

Jahrey Gerber

Environmental & Salety Manager

ee: J.A. Mulligan M. Hiller

Secretaria Secretaria Secretaria

TEL: (201) 997-1880

FAX: (201) 997-8071 TWX: 5106001641

NIPDES Number: NJ0031313 Facility Name: KLEER KAST DIV OF PMC INC

Monitoring	Period	End Date:	93/11/30	Pipe Num: 00	1A Mon	. Loc.: 1
FARAMETER:	00010	DESCRIPT	ION: TEMPERA	TURE, WATER	DEG. CENTIGRA	DE
VIOLATION:	E90	NUMERIC VI QUANT Average	•	Minimum	CONCENTRATION Average	Maximum
MEASUREMENT	 r.		Haximum	74.0000	74.0000	74.0000

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
Environmental Regulation
Wastewater Facilities Regulation Element
CN 029
Trenton, NJ 08625-0029

KLEER KAST DIV OF PMC INC 450 SCHUYLER AVENUE KEARNY NJ 07032 FEB 1 1 1994

RE: Violation of Effluent Limits or Parameter Reporting Requirements NJPDES Permit No: NJ0031313

Dear Permittee:

The New Jersey Department of Environmental Protection and Energy (Department) has issued your facility a New Jersey Pollutant Discharge Elimination System (NJPDES) permit pursuant to the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. The permit requires that discharge monitoring results obtained during the previous monitoring period shall be summarized and reported to the Department on Discharge Monitoring Report (DMR) forms.

Your NJPDES permit requires that you submit to the Department a report concerning any non-compliance, including the action taken to correct it and prevent its continuation or recurrence. Additionally, the Clean Water Enforcement Amendments to the New Jersey Water Pollution Control Act and the regulations adopted pursuant thereto, specify reporting requirements for claiming an affirmative defense for certain violations.

The Department has reviewed the DMR submitted for your facility for the period ending 93/11/30. This review indicated that you are not complying with one or more effluent limitations or parameter reporting requirements specified in your permit. These apparent violations are noted on the attached violation summary forms.

Please review the subject DMR carefully against the information on the violation summary form. If there is a discrepancy between the DMR information you submitted and the data listed on the violation summary form you must immediately submit a copy of the submitted DMR with a notation of the discrepancy to the Bureau of Fermit Management, CNO29, Trenton, NJ 08625-0029. If your DMR was incomplete or completed incorrectly you must submit a revised DMR to the Bureau of Permit Management with a copy to this office. The corrected information must be submitted in red ink and each revised value must be initialed and dated by the original signatory. DMRs must be completed in accordance with the Department's Discharge Monitoring Report Instruction Manual (Revised June 1991).

Nothing shall preclude the Department from assessing penalties if the missing DMR effluent parameter information was not inadvertently omitted or if the Department was not notified within 30 days of the DMR due date of the existence of extenuating circumstances beyond the control of the permittee. Failure to submit missing effluent parameter data within ten (10) days from receipt of this letter subjects you to mandatory civil administrative penalties of \$100 per parameter per day up to a maximum of \$50,000 per DMR. These penalties accrue as of the fifth day following the date on which the DMR was due.

If the information listed on the enclosed form is correct and you have fulfilled your non-compliance reporting requirements, no response to this letter is necessary. The violations will be evaluated and addressed during the Department's compliance evaluation inspection process.

Very truly yours,

Peter T. Lynch, Chief

Metro Bureau of Water & Hazardous Waste Enforcement 2 Babcock Place West Orange, NJ 07052-5504

Enclosure





Accredited Laboratories, Inc.

Foot of Pershing Avenue, P.O. Box 369 Carteret, New Jersey 07008-0369 Telephone. (908) 541-2025 800 - ALI - LABS

**4 7 - 6 - 94** 

## Analytical Data Report

for

KleerKast 450 Schuyler Ave. Kearny, NJ 07032

Project: '94 PVSC Compliance Samples

Accredited Laboratories Case No.: 7290 Date Received: 06/09/94

Field ID	Sample #
KK1A-KK2A	9408249
KK3A-KK4A	9408250

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

> Yun-shen Lee, Ph.D. 6/34/94 Technical Director

	7290	Metrix:	Aqueous
.e #:	9408249	Date Received:	06/09/94
ent Name:	KLEERKAST		
Field Number:	KK1A-KK2A		

				DILUTION	METHOD B	LANK	ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MD L	DATE
BOD - 5	290.	2.0	mg/L	1.0	ND	2.0	06/15/94
Solids, Total Suspended	10.	2.0	mg/L	1.0	ND	2.0	06/10/94

	7290	Matrix:	Aqueous
, e #:	9408250	Date Received:	06/09/94
ient Name:	KLEERKAST		
field Number:	KK3A-KK4A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD B	LANK MDL	ANALYSIS Date
Oil and Grease Gravimetric	4.3	1.0	mg/L	1.0	ND	1.0	06/16/94
PH	7.10		s.u.	1.0			06/09/94

Foot of Pershing Avenue, P.O. Box 369 Carteret, New Jersey 07008 0369 Telephone, (908) 541-2025



3-94

## Analytical Data Report

for

KleerKast 450 Schuyler Ave. Kearny, NJ 07032

Project: '94 PVSC Compliance Samples

Accredited Laboratories Case No.: 6062 Date Received: 03/09/94

Field ID	sample #
KK1A-KK2A	9402907
KK3A-KK5A	9402908

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

Yun-shen Lee, Ph.D. Technical Director

A Subsidiary of AMAX

Case #:	6062	Matrix:	Aqueous
Sample #:	9402907	Date Received:	03/09/94
Client Name:	KLEERKAST		
field Number:	KK1A-KK2A	·	

ANALYTES	RESULTS	MDL	UNITS	DILUTION	METHOD RESULTS	BLANK MDL	ANALYSIS DATE
·							
BOD-5	49.1	2.0	mg/L	1.0	ND	2.0	03/15/94
Solids, Total Suspended	108.	2.0	mg/L	1.0	ND	2.0	03/10/94

Case #:	6062	Matrix:	Agueous
Sample #:	9402908	Date Received:	03/09/94
Client Name:	KLEERKAST		
Field Number:	KK3A-KK5A		

ANALYTES	RESULTS	MDL	UNITS	DILUTION FACTOR	METHOD B	LANK MDL	ANALYSIS DATE
Oil and Grease Gravimetric	44.3	1.0	mg/L	1.0	ND	1.0	03/24/94
PH	7.18	0.05	\$.U.	1.0			03/09/94

12/1193- 14/31/93

## Accredited Laboratories, Inc.

Foot of Pershing Avenue, P.O. Box 369 Carteret, New Jersey 07008-0369 Telephone, (908) 541-2025



## Analytical Data Report

for

KleerKast 450 Schuyler Ave. Kearny, NJ 07032

Project: '93 PVSC Compliance Samples

Accredited Laboratories Case No.: 5169
Date Received: 12/03/93

Field ID	Sample #
KK1A-KK2A	9312518
KK3A-KK4A	9312519

Accredited Laboratories, Inc. New Jersey Certification Number 12486. This data has been reviewed and accepted by:

Yun shen Lee, Ph.D. / )
Technical Director

A Subsidiary of AMAX

Case #:	5169			Matrix:		Aqueous	
Sample #:	9312518			Date Receiv	ved:	12/03/93	3
Client Name:	KLEERKAST						
Field Number:	KK1A-KK2A						
				DILUTION	METHOD B	LANK	ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MDL	DATE
BOD - 5	216.	2.0	mg/L	1.0	ND	2.0	12/08/93
Solids, Total Suspended	60.	2.0	mg/L	1.0	ND	2.0	12/06/93

Case #:	5169	Matrix:	Aqueous
Sample #:	9312519	Date Received:	12/03/93
Client Name:	KLEERKAST	1	
Field Number:	<u>KK3A-KK4A</u>		

				DILUTION	METHOD BE	LANK	ANALYSIS
ANALYTES	RESULTS	MDL	UNITS	FACTOR	RESULTS	MDL	DATE
	A		-	-			
•							
Oil and Grease Gravimetric	21.3	1.0	mg/L	1.0	ND	1.0	12/13/93
PH	6.43	0.05	s.u.	1.0			12/03/93

NI 00 31313



446031313

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF ENFORCEMENT FIELD OPERATIONS Metro Bureau of Water and Hazardous Waste Enforcement 2 Babcock Place, West Orange, N.J. 07052 (201) 669-3900

August 15, 1994

Mr. John A. Mulligan President Kleer Kast/Division of PMC, Inc. 450 Schuyler Avenue Kearny, New Jersey 07032

Dear Mr. Mulligan:

On June 9, 1994, a representative of the Metro Bureau of Water and Hazardous Waste Enforcement (MBWHWE) conducted an inspection of Kleer Kast in Kearny in response to a complaint referral. During the inspection the following observations were made:

1. An oil like substance was leaking from the foundation of the loading dock area of Alexandria Plastics (Tenant of Kleer Kast) and being discharged to the waters of the State. An inspection of the area revealed no source point. This is an unpermitted discharge in violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.).

Kleer Kast is therefore directed to:

- 1. Determine the source of oil.
- Immediately and permanently cease all unpermitted discharges.
- 3. Submit a written report to this office within thirty (30) days of receipt of this letter detailing the corrective action taken.

Failure to fully comply with the above will result in the initiation of further enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for the violations indicated above. If you have any questions regarding the above, please contact Helen Wright of this office at (201) 664-6900.

Very truly yours,

Stefan D. Sedlak, Section Chief Metro Bureau of Water and Hazardous Waste Enforcement

134

c: Robert Vaughn, USEPA Edward Grosvenor, H.O. Hudson Regional Health Commission

## Slug Plan Evaluation

	Company: KIOR KAST
	Permit #: /5 // 5 3 2
	Location: Keneny
1)	Based on my review of the slug plan questionnaire submitted by the above company, a slug plan is $\underline{\chi}$ is not required.
	If a slug clan is not required, explain.
2)	Based on my review of the slug plan questionnaire submitted by the above company, a site inspection is is not $X$ required.
	If a site inspection is not required, explain. find a Site inspection.
	Does the company refer to procedures incorporated in an existing document, such as their DPCC/SPCC Plan or Emergency Response Plan, as a means for the control of slug discharges (Yes \( \frac{1}{2} \) No).
	If yes, explain. DPCC is refused to in quetting.
1)	I approve the attached procedures as a viable and acceptable means to control all stug discharges as defined in the PVSC Rules & Regulations, and deem this a Stug Control Plan. (Yes No).  If no, list deficiencies.
	M.Sall who lad
	Inspector I Date

### **SLUG LOADINGS CONTROL OUESTIONNAIRE**

500-0311.

## I. GENERAL INFORMATION

Facility Name & Address Kleer Kast A Div of PMC Inc 450 Schuyler Ave Kearny NJ 07032

Facility Contract & Phone Number: Jeffrey Gerber (201)-997-1880

Manufacture of Cellulose Acetate sheet, plastic pellets Type of Business: and plastic sheet

Operating Schedule (Hours per day) (Days per hour) <u>Casting - 24Hrs per day</u>, 7 days per week, blending 24 hrs/day 5 days/week, Optical-10hrs. Average Daily Flow (gallons/day) per day 4 days per week 160,000

## II. FACILITY LAYOUT

Prepare a site diagram which shows the location of the following: (Where applicable)

- 1. Property boundaries
- 2. Entrances/Exits
- 3. Manufacturing areas
- 4. Hazardous Materials Process & Storage Areas
- 5. Waste Handling, Storage and Treatment Facilities
- 6. Loading and unloading areas
- 7. Drainage directions and destinations
- 8 Tanks Greater than 100 gallons (list capacity)
- 9. Any Diked or Contained areas designed to abate slug discharges

### III. HAZARDOUS MATERIALS DATA

List maximum volume (at any given time) of all hazardous or toxic materials used in hazardous materials process B storage Areas" depicted on facility layout diagram.
 \* See attached form\*

#### IV. SLUG PREVENTION EQUIPMENT AND PROCEDURES

- List any equipment other than those depicted or explained above which would serve slug prevention. Speedy dry, booms, brooms, shovels absorbant sheet
- 2. List inspection and maintenance procedures of slug prevention or response equipment. All slug prevention or response equipment is inspected monthly.

### V. EMERGENCY RESPONSE EQUIPMENT AND PROCEDURES

- 1. Alarms or communications equipment. Plantwide paging system
- 2. Spill containment/control equipment: Speedy dry, booms, brooms, shovels & absorbent sheet
- 3. Spilled material storage containers: Drums/gaylords\_\_\_\_\_

If there is an approved response program and associated procedures, describe the following: (check here if N/A\_\_\_\_\_\_) See Emergency Action Plan

- 1. Spill and Slug Assessment Procedures
- 2. Spill and Slug Cleanup Procedures
- 3. Decontamination Procedures
- 4. Procedures for Disposing or Treating Spills Materials

### VI SLUG REPORTING

Describe:

I. Slug Reporting Procedures in Place at your facility— As part of the Emergency Action Plan-notification will be made in case of a release to VII TRAINING PROGRAM the sewer system

Describe:

1. Any training aimed at Emergency Response or Spill Containment

Included as part of DPCC Plan

VIII MISCELLANEOUS

1. Are there any safeguards in place to assure that current PVSC Rules and Regulations Prohibitions (see Section 312) will not be exceeded in Slug quantities.

Yes; there are containment dikes on all tanks greater than 2000 gallons. Metals loadings to PVSC are of acute concern as they are problematic constituents in sludge generated at the plant. In fact, there will be local limits imposed for the following metals; aresenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, and zinc. Are there any possibilities existing for slug release of these metals to the sewer? If so, what metal (s) are affected, and what will be done to prevent a slug discharge? If no possibility exists of sludge metal discharges list what was done to achieve this condition.

\*\*SEE BELOW\*\*

Upon receipt of this information, a determination will be made as to whether or not a formal Slug Control Plan for your facility will be required. Thank you for your time in this matter. Kleer Kast uses chromium, cadmium and mercury in its operations. These metals are found in our pigments which are stored in drums in our pigment room (Building 20C). There are no floor drains in this part of the building. Therefore, the chance of a slug release is minimal.

## SLUG DISCHARGE QUESTIONAIRRE

III. IIAZARDOUS MATERIA (MAXIMU		STORAGE AREAS BUILDING #S
1. ACETONE	193,000	16
2. DIETHYL PHTHALATE	295,500	7, 16
3. DIMETHYL PHTHALATE	23,000	7, 16
4. DIBUTYL PHTHALATE	24,500	7
5. OIL	1,000	20
6. SODIUM HYDROXIDE	1,000	3, 16
7. MORPHOLINE	300	3, 16

ACETONE, DIETHYL PHTHALATE AND DIMETHYL PHTHALATE ARE ALSO STORED IN ABOVEGROUND TANKS, WHICH ARE LOCATED APPROXIMATELY 50 FEET EAST OF BUILDING 16.

UINCY PLACE

 $\mathcal{G}$ 

1. MAIN OFFICE

2.

2.A

BOILER ROOM

5.

6.

6.A

6.B

6.C

7.1 MIXING DEPT.

7.2 COMPOUNDING DEPT.

7.3 SLITTING & SHIPING

. MATERIAL STORAGE

15. LOCKER ROOM

16. CASTING DEPT.

17. ELECTRICAL DISTRIBUTION & CONTROL CENTER

19. EQUIPMENT STORAGE

20. WAREHOUSE

20A WAREHOUSE

20B WAREHOUSE

20C WAREHOUSE

20D GRINDING AREA

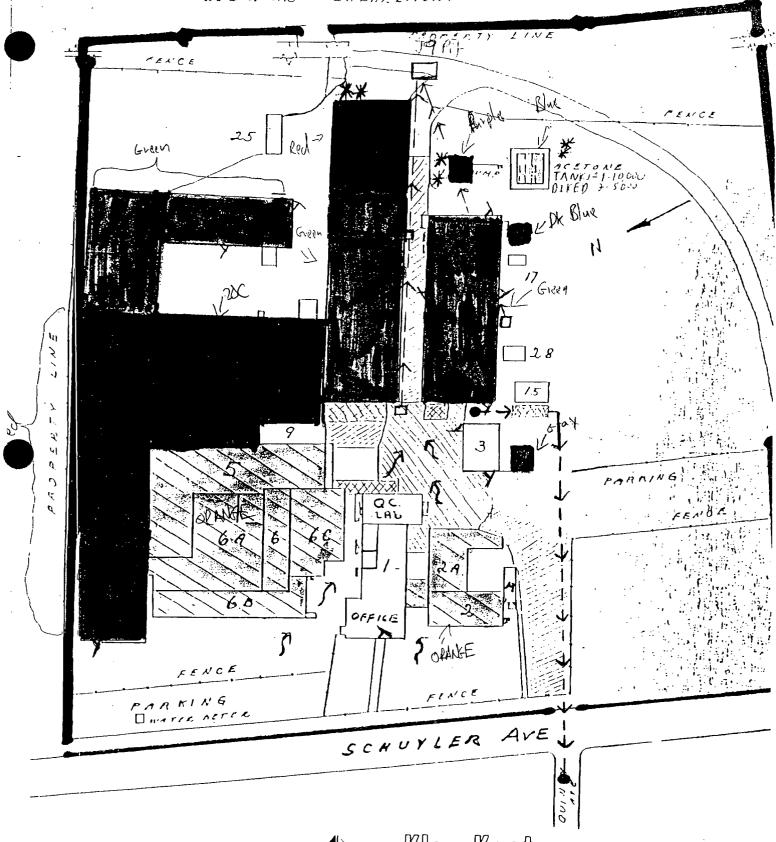
20E OPTICAL COLOR LAB & MIXING AREA

20F OPTICAL PRODUCTION AREA

25 EOUIPMENT STORAGE

28 MATERIAL STORAGE

SENTRANCE/EXIT TENANTS \*\* LOADING TUNCOADING Moniontact Cooling Water - MIPPEL
Contact Cooling Water - PUSC AREA HAZAROOURWAILE STOPALL WARFHOUSE AAA 8-2000 Gallor Holding Lans 1 6000 Caller O. 1(HC) Tunk - O. Ked Erry 3-3000 Callon Dietry Philade Toute All Ser 5,000 Gallon Actors parts Purple Direl Blog 3500 Sullen Acelone Feed Tunk- Oiled ? Drainage Divertions MANUFACTURING





# MleerKast

A Division of PMC Inc 450 Schuyler Avenue Kearny, New Jersey 07032 (201) 997-1880 TWX: 5106001641 2.

2.A

BOILER ROOM

5.

6.

6.A

6.B

6.C

QUINCY PLACE

7.1 MIXING DEPT.

7.2 COMPOUNDING DEPT.

7.3 SLITTING & SHIPING

9. MATERIAL STORAGE

15. LOCKER ROOM

16. CASTING DEPT.

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20. WAREHOUSE

20A WAREHOUSE

20B WAREHOUSE

20C WAREHOUSE

20D GRINDING AREA

20E OPTICAL COLOR LAB & MIXING AREA

20F OPTICAL PRODUCTION AREA

25 EQUIPMENT STORAGE

28 MATERIAL STORAGE

TENANTS

Noncontract Conting Water-Noppet

AREA

Contact Conting Water-PVSC

WAREHOUST

Contact Conting Water-PVSC

WAREHOUST

AREA

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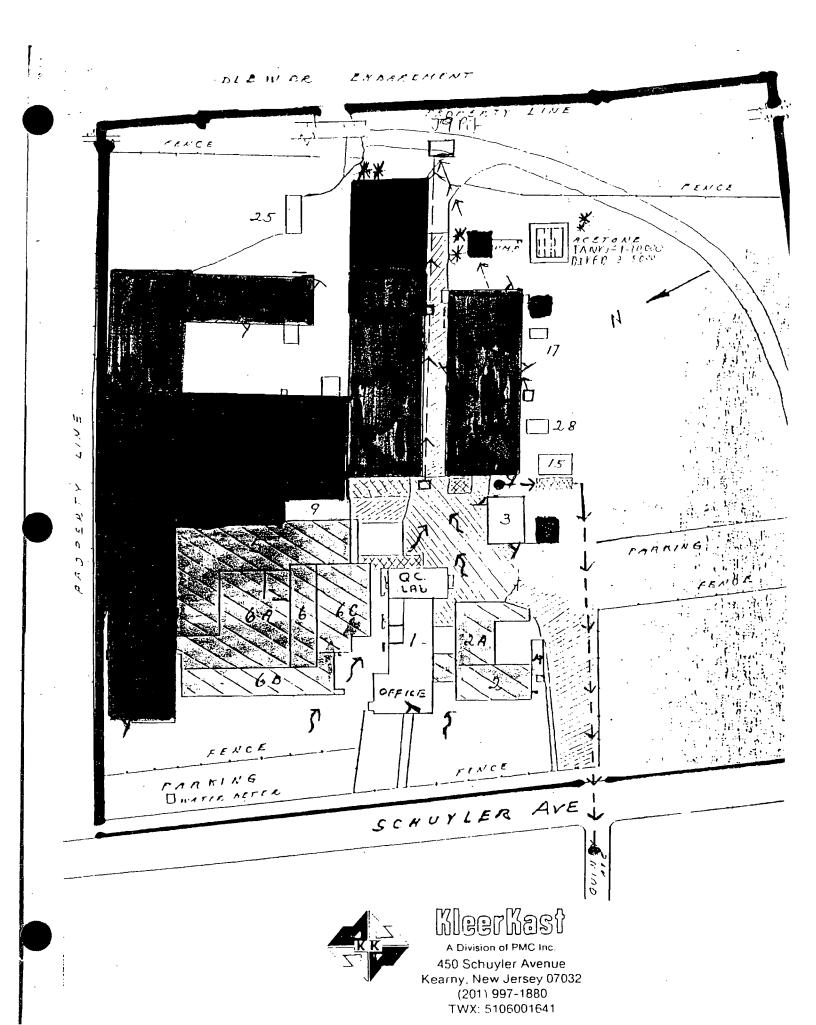
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AND Sunting Directlons

Principles

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Sunting Directlons





# DIVISION OF WATER RESOURCES CN 029, Trenton, NJ. 08625



## DISCHARGE SURVEILLANCE REPORT

PERMIT . NO. OF DISCHARGES WI CLASS HAT/IND.
DISCHARGER Keer Kust; DNSON of PHR Incorporated
OWNER PHC Incorporated
OWNER THE PRODUCTION
MUNICIPALITY Keeling county Hudson WATERSHED CODE P
LOCATION 450 Schulyer Avenue
RECEIVING WATERS Fronk's Creek 3 POSSOR ROPSTREAM CLASS SE-3
LICENSED OPERATOR & PLANT CLASS
TRAINEE/ASSISTANT OTHER INFO. (201) 997 - 1880
DEFICIENCIES OR COMMENTS BEVELLED DHR'S FROM April 1444 - Sept. 1494
togother Toxuel a Notice of violation for exceedance of
TSS Hax. Limit regerted value was 55% over the limit.
House teaping of facility continues to be most which
brough to their whation. Specifically, the area caracted the
boding which still his trough and oil there. Aletter was
sont Awast 15 1994 concerning their house keeping.
OVERALL RATING   Acceptable  Conditionally Acceptable  Unacceptable
EVALUATOR Elizabeth Helbhar y Helon Wightitle Environmental Specialist
INFORMATION FURNISHED BY (Name) Mr. Deff Gester Environmental items of the formation of the
(Title) Sixety Hyr (Organization) Kker Kust
251 20011

DATE OF INSPECTION October 26, 1994



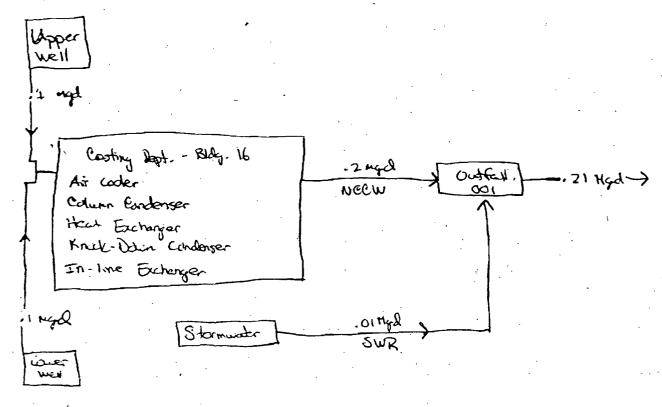
# JERSEY DEPARTMENT OF ENVIRONMENTAL TECTION DIVISION OF WATER RESOURCES CN 029, Trenton, NJ. 08625

Page 3 of 3

DISCHARGE SURVEILLANCE REPORT

Permit # NJ0031313 Date Ochoper 26, 1494

NT DIAGRAM AND FLOW SEQUENCE:



ıs	PARA	SAMPLE TYPE	PERMIT LIMITS	DATA	DIS	PARA	SAMPLE TYPE	PERMIT LIMITS	DATA
		·	Tune 1994 DMR			·		Soot. 1444 DA	
,	TOC		20.0 m/L (Hux)	27.0°th	Ø2	155		200 orle (Max)	31.0 hg/L
ļ			with cost	400/2 over				Great of	- 40° (8
			Jen 1824 DAS					7	·
	E10		300° C	31.1°C					
11.20				40°/0 21er	,				
1									



#### State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT FIELD OPERATIONS
Metro Bureau of Water and Hazardous Waste Enforcement
2 Babcock Place, West Orange, N.J. 07052
(201) 669-3900

January 17, 1995

Mr. John A. Mulligan President Kleer Kast/Division of PMC, Inc. 450 Schuyler Avenue Kearny, New Jersey 07032

Re: Compliance Evaluation Inspection Kleer Kast/Division of PMC, Inc. NUFDES No. NJ0031313 Kearny/Hudson County

Dear Mr. Mulligan:

A Compliance Evaluation Inspection of your facility was conducted by a representatives of this Bureau on October 26, 1994. A copy of the completed inspection report is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiency:

 A review of the Discharge Monitoring Reports (DMRs) for DSN 001 has revealed an effluent limitation violation during the month of September 1994.

MONIT. PERIOD **VIOL** PARAM DSN END DATE VIOLATION DESCRIPTION CODE CODE No. E95 09/30/94 Stat VIOL-Avg Conc/MAX 00530 001 09/30/94 E95 00530 Numeric Viol Max Conc 001

Key for the table above:

PARAM CODES: 00530 - Total Suspended Solids

bc: **Central File**Bureau File

#### **COMMUNITY RIGHT TO KNOW SURVEY FOR 1994**

For State and Federal Community Right to Know Reporting

Please type this form.	THIS PAGE MUST BE COMPLETED, SIGNED, AND RETURNED.		
6 7 2 9 3 9 0 0 0 0 5 3 0 7 9  ATTN: THOMAS AZZAREILI  KLEER KAST A DIVISION OF PMC INC 450 SCHULYER AVE.  KEARNY, NJ 07032	A) 6 7 2 9 3 9 0 0 0 0 5 1 0 9 0 7  KLEER KAST 450 SCHULYER AVE. • KEARNY		
B Does this facility Produce, Store or Use any Env Substances listed on Table A:  1. in any quantity?  2. above thresholds  Briefly describe the nature of the operations or busing this facility:  Manufacture of Cellulose Acetate Sheet	ess conducted at 6729390000510907  (a) If you are claiming an R&D lab expending for this facility enter		
Right to Know Act (EPCRA/SARA, Title III)  DFACILITY EMERGENCY CONTACT  Name Jeffrey Gerber  Ti	tion 312 of the Federal Emergency Planning and Community  itle Regulatory Specialist mergency Contact Phone Number ( 201 ) 935-6905		
X NOTE: Check box only if the facility information	n in boxes A, D, E, I or J has changed since your last submittal.		
that I have personally examined and am familiar with	HORIZED REPRESENTATIVE — I certify under penalty of law the information submitted in this document and all attachments nediately responsible for obtaining the information, I believe complete.  Fax # (201) 997-8071  Date Division President		
Community Right To Know Survey agenc	re required to send copies of this survey to the less listed on Page 28 of the instruction guide.  The required to send copies of this survey to the less listed on Page 28 of the instruction guide.  The required to send copies of this survey to the less listed on Page 28 of the instruction guide.		

KLEER KAST 450 SCHULYER AVE. \* KEARNY

#### PART 2 1994 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 1994

SUBSTANCE DESCRIPT	ION	HAZARDS (Check all th:	nt apply)	INVENTORY INFORM	MOITAN
	1011				
Name: Fuel Oil #6 Substance Number:		(x) Fire		Container Type T	
CAS Number: 68476-335		( ) Sudden release of p	ressure	Max. daily Inventory	
DOT Number:		() Reactive		Avg. daily inventory	
		(x) Acute health effects		Days on site	180
Pure (x) or Mixture ( )		( ) Chronic health effec	#S	Storage pressure	01
Solid ( ) Liquid (k ) Gas ( )		( ) None per MSDS	n1- O.J	Storage temperature	04
Trade Secret: ( ) Check It daiming	Location(s) Ab	oveground Storage	Tank Outsid		N. 1 V
Name: Activated Carbon		(a) Elen			Adsorber
Substance Number: _2066		(x) Fire () Sudden release of p	MACCUTA	Container Type Ves	14
CAS Number: 7440-44-0		, ,	Ne22nie	Max. daily inventory	
DOT Number: 1362	-	( ) Reactive		Avg. daily inventory	
Pure (x) or Mixture ( )		(x) Acute health effects		Days on site	300
Solid (k) Liquid () Gas ()		( ) Chronic health effect	.15	Storage pressure	01
Trade Secret: ( ) Check if claiming	1 ( -(-) (	( ) None per MSDS		Storage temperature	04
Trade decret. ( ) chack it claiming	Location(s) La	rbon Adsorbers - O	utside Bulli	arud #12	
Name: <u>Dibutyl Phthalate</u>		( ) Fire		Container Type	DS
Substance Number: 0773		( ) Sudden release of p	ressure	Max. daily inventory	13
CAS Number: 84-74-2		( ) Reactive		Avg. daily inventory	
DOT Number: 9095		(x) Acute health effects	•	Days on site	365
Pure (x) or Mixture ( )		( ) Chronic health effect		Storage pressure	01
Solid() Liquid≰) Gas()		( ) None per MSDS		Storage temperature	04
Trade Secret: ( ) Check if claiming	Location(s) Bu	ilding 20-B and Bu	ilding 7.1-	Blending	
	<del></del>				
Name: Propane		(x) Fire		Container Type	CY
Substance Number: 1594		(x) Sudden release of	oressure	Max. daily inventory	12
CAS Number: <u>74-98-6</u>		() Reactive		Avg. daily inventory	12
DOT Number: <u>1978</u>		( ) Acute health effects	}	Days on site	365
Pure (x) or Mixture ( )		( ) Chronic health effer	cts	Storage pressure	02
Solld() Liquid() Gas(x)		( ) None per MSDS		Storage temperature	904
Trade Secret: ( ) Check if daiming	Location(s) Ou	tside Rack by Buil	ding #7-War	ehouse	
Name: Hydrogen		( ) <del>     </del>		O4-1	CY
Substance Number: 1010		(x) Fire		Container Type ——	7.7
CAS Number: 1333-74-0		(x) Sudden release of	oressure	Max. daily inventory	
DOT Number: 1049	_	() Reactive		Avg. daily inventory	12 365
Pure (x) or Mixture ( )		( ) Acute health effects		Days on site	02
Solid () Liquid () Gas (x)		( ) Chronic health effe	cis .	Storage pressure	
Trade Secret: ( ) Check if claiming		( ) None per MSDS	"" "	Storage temperature	804
Trace Court, ( ) chock it daining	Location(s) Bu	ilding #1, Buildir	d #10-WIXIN	d Koom	
INVENTORY RANGE CODES	CONTAINER CODES AND	DESCRIPTIONS	1	PERATURE AND PRESSURE	CODES
20 Greater than 10 million pounds 19 1,000,001 to 10 million pounds	TA Above ground tank	BA Bao	Pressure	11 Ambient* pressure	
18 500,001 to 1 million pounds	TB Below ground tank	BA Bag BX Box	· ·	2 Greater than ambient press	
17 250,001 to 500,000 pounds	TI Tank Inside building		1	3 Less than ambient pressure	•
16 100,001 to 250,000 pounds 15 50,001 to 100,000 pounds	DS Steel drum DP Plastic drum	BG Sortles or jugs (glas	· I Thursday	Ambiastrass	
14 10,001 to 50,000 pounds	DF Fiber drum	BP Bottles or jugs (plas BN Tote bin		<ul> <li>Ambient temperature</li> <li>Greater than ambient temperature</li> </ul>	erature
13 1,001 to 10,000 pounds	CN Can	TW Tank Wagon	į.	06 Less than ambient tempera	
12 101 to 1,000 pounds 11 11 to 100 pounds	CB Carboy	RC Railcar	1	cryogenic (freezing condition	
10 1 to 10 pounds	St Silo	OT Other (Describe)	1	77 Cryogenic conditions (less	than -200°C)
09 Less than 1 pound			*Ambient means	"normal," "surrounding," or "roo	om° conditions.
1NOTE: Please see pages 14 thru 16 for gallon			1		
and cubic feet conversion factors.	<u> </u>				DE0-094

#### 7 2 9 3 9 0 0 0 0 5 1 0 9 0 7

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## PART 2 1994 CHEMICAL INVENTORY REPORT

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· ·	nead instructions carefully	before completing this form.
SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: Hydrogen Substance Number: 1010 CAS Number: 1333-74-0 DOT Number: 1049 Pure ( ) or Mixture (x ) Solid ( ) Liquid ( ) Gas (x) Trade Secret: ( ) Check if claiming	(x) Fire (x) Sudden release of pressure ( ) Reactive ( ) Acute health effects ( ) Chronic health effects ( ) None per MSDS Location(s) Building #16 - Rosemount Room	Container Type CY  Max. daily inventory 12  Avg. daily Inventory 11  Days on site 365  Storage pressure 02  Storage temperature 04
Name: Acetylene Substance Number:0015 CAS Number: 74-86-2 DOT Number: 1001 Pure & ) or Mixture ( ) Solid ( ) Liquid ( ) Gas (x) Trade Secret: ( ) Check if claiming	(x) Fire (x) Sudden release of pressure ( ) Reactive (x) Acute health effects ( ) Chronic health effects ( ) None per MSDS Location(s) Building #1 - Maintenance Shop	Container Type CY  Max. daily inventory 12  Avg. daily inventory 11  Days on site 365  Storage pressure 02  Storage temperature 04
Name: Acetone Substance Number: 0006 CAS Number: 67-64-1 DOT Number: 1090 Pure (x) or Mixture () Solid () Liquid (x) Gas () Trade Secret: () Check if daiming	(x) Fire ( ) Sudden release of pressure ( ) Reactive (x) Acute health effects ( ) Chronic health effects ( ) None per MSDS Location(s) Outside Building #16 - Tank Fa	Container Type TA  Max. daily inventory 16  Avg. daily inventory 15  Days on site 365  Storage pressure 01  Storage temperature 04
Name: Acetone Substance Number: 0006 CAS Number: 67-64-1 DOT Number: 1090 Pure ( ) or Mixture (x) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check if claiming	(x) Fire ( ) Sudden release of pressure ( ) Reactive (x) Acute health effects ( ) Chronic health effects ( ) None per MSDS Location(s) Building #16 (Mixing and Casti	Container Type TI  Max. daily inventory 14  Avg. daily inventory 14  Days on site 365  Storage pressure 01  Storage temperature 04  Ing Room)
Name: Acetone Substance Number: 0006 CAS Number: 67-64-1 DOT Number: 1090 Pure (x) or Mixture ( ) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check if claiming	(x) Fire ( ) Sudden release of pressure ( ) Reactive (x) Acute health effects ( ) Chronic health effects ( ) None per MSDS Location(s) Building #16 (Mixing and Casti	Container Type
INVENTORY RANGE CODES <sup>1</sup> 20 Greater than 10 million pounds 19 1,000,001 to 10 million pounds 18 500,001 to 10 million pounds 17 250,001 to 500,000 pounds 18 100,001 to 250,000 pounds 15 50,001 to 100,000 pounds 15 50,001 to 100,000 pounds 14 10,001 to 50,000 pounds 17 10,001 to 10,000 pounds 18 1,001 to 10,000 pounds 19 10 to 1,000 pounds 10 to 10 pounds 10 to 10 pounds 10 to 10 pounds 10 Less than 1 pound 1 NOTE: Please see pages 14 thru 16 for gallon and cubic feet conversion factors.	Above ground tank BA Bag Below ground tank BX Box Tank inside building CY Cylinder Steel drum BG Bottes or jugs (glass) Plastic drum BN Tote bin Can TW Tank Wagon Carboy RC Railcar Silo OT Other (Describe)	Of Cryogenic conditions, "surrounding," or "room" conditions.

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#### PART 2 1994 CHEMICAL INVENTORY REPORT

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SUBSTANCE DESCRIP	TION	HAZARDS (Check all that	apply) INVENTORY INFORM	ATION
Name: <u>Diethyl Phthalate</u> Substance Number: <u>0707</u> CAS Number: <u>84-66-2</u> DOT Number: <u>1851</u> Pure (x) or Mixture ( ) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check if daiming	Location(s) O	() Fire () Sudden release of pro () Reactive () Acute health effects () Chronic health effects () None per MSDS utside Building #16	Avg. daily inventory Days on site Storage pressure Storage temperature	TA 15 14 365 01 04
Name: <u>Diethyl Phthalate</u> Substance Number: <u>0707</u> CAS Number: <u>84-66-2</u> DOT Number: <u>1851</u> Pure (x) or Mixture () Solid (.) Liquid (.) Gas (.) Trade Secret: (.) Check it claiming	Location(s)_B	() Fire () Sudden release of pro () Reactive (x) Acute health effects () Chronic health effects () None per MSDS uilding #16 - Mixing	Avg. daily inventory Days on site Storage pressure Storage temperature	14 14 14 365 01 04
Name: <u>Diethyl Phthalate</u> Substance Number: <u>0707</u> CAS Number: <u>84-66-2</u> DOT Number: <u>1851</u> Pure ( ) or Mixture (x) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check if daiming	Location(s) 班	() Fire () Sudden release of pro () Reactive () Acute health effects () Chronic health effects () None per MSDS olding Tanks and Mixe	Avg. daily inventory Days on site Storage pressure Storage temperature	TI 14 13 365 01 04
Name: <u>Diethyl Phthalate</u> Substance Number: <u>0707</u> CAS Number: <u>84-66-2</u> DOT Number: <u>1851</u> Pure (x) or Mixture () Solid () Liquid (x) Gas () Trade Secret: () Check if claiming	Location(s) B	( ) Fire ( ) Sudden release of pro ( ) Reactive ( ) Acute health effects ( ) Chronic health effects ( ) None per MSDS uilding 20B and Buil	Avg. daily inventory Days on site Storage pressure Storage temperature	DS 13 13 365 01 04
Name: Dimethyl Phthalate Substance Number:0765 CAS Number:131-11-3 DOT Number: Pure (x) or Mixture ( ) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check if claiming	Location(s)	( ) Fire ( ) Sudden release of pre ( ) Reactive ( ) Acute health effects ( ) Chronic health effects ( ) None per MSDS utside Building #16	Avg. daily inventory Days on site Storage pressure Storage temperature	TA 14 14 365 01 04
INVENTORY RANGE CODES <sup>1</sup> 20 Greater than 10 million pounds 19 1,000,001 to 10 million pounds 18 500,001 to 1 million pounds 17 250,001 to 500,000 pounds 16 100,001 to 250,000 pounds 15 50,001 to 100,000 pounds 14 10,001 to 50,000 pounds 13 1,001 to 10,000 pounds 12 101 to 1,000 pounds 11 11 to 100 pounds 11 11 to 100 pounds 10 1 to 10 pounds 10 Less than 1 pound	TA Above ground tank TB Below ground tank TI Tank inside buildin DS Steel drum DP Plastic drum DF Fiber drum CN Can CB Carboy SI Silo	S BA Bag SX Box	STORAGE TEMPERATURE AND PRESSURE C Pressure 01 Ambient pressure 02 Greater than ambient pressure 03 Less than ambient pressure 04 Ambient temperature 05 Greater than ambient temperature 06 Less than ambient temperature 07 Cryogenic (freezing conditions (freezing conditions (freezing conditions freezing co	rature ura but not is) aan -200°C)
<sup>1</sup> NOTE: Please see pages 14 thru 16 for gallon and cubic feet conversion factors.			Took surrounding, or Took	n" conditions, DEC-094

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## PART 2 1994 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 1994

SUBSTANCE DESCRIPT	ION	HAZARDS (Check all that	apply) INVENTORY INFORMATIO
Name: <u>Dimethyl Phthalate</u> Substance Number: <u>0765</u> CAS Number: <u>131-11-3</u> DOT Number: Pure (x) or Mixture () Solid () Liquid (x) Gas () Trade Secret: () Check if daiming	Location(s)	( ) Fire ( ) Sudden release of pr ( ) Reactive (x) Acute health effects ( ) Chronic health effect ( ) None per MSDS Building #16 - Mixin	Avg. daily inventory 13  Days on site 365  Storage pressure 01  Storage temperature 04
Name: Dimethyl Phthalate Substance Number: 0765 CAS Number: 131-11-3 DOT Number: Pure ( ) or Mixture (x) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check if claiming	Location(s)	( ) Fire ( ) Sudden release of p ( ) Reactive (x) Acute health effects ( ) Chronic health effect ( ) None per MSDS Building 20B and Bui	Avg. daily inventory 13  Days on site 365
Name: Butyric Acid Substance Number: CAS Number: 107-92-6 DOT Number: Pure (x) or Mixture () Solid () Liquid (x) Gas () Trade Secret: () Check if claiming	Location(s)	(x) Fire ( ) Sudden release of p (x) Reactive (x) Acute health effects ( ) Chronic health effect ( ) None per MSDS Building 20A	Avg. daily inventory 12 Days on site 369
Name: Cellulose Acetate (F Substance Number: CAS Number: 9004-35-7 DOT Number: Pure & or Mixture ( ) Solid & Liquid ( ) Gas ( ) Trade Secret: ( ) Check if claiming		( ) Fire ( ) Sudden release of p ( ) Reactive ( ) Acute health effects ( ) Chronic health effect ( ) None per MSDS Building 20A, 20C ar	Avg. daily inventory 16  Days on site 36  Storage pressure 01  Storage temperature 04
Name: Cellulose Acetate Substance Number: CAS Number: DOT Number: Pure ( ) or Mixture (x) Solid (x) Liquid ( ) Gas ( ) Trade Secret: ( ) Check if claiming	Location(s)	( ) Fire ( ) Sudden release of p ( ) Reactive ( ) Acute health effects ( ) Chronic health effects (x) None per MSDS Building #20C, Build	Avg. daily inventory $\frac{16}{36}$
NVENTORY RANGE CODES	TA Above ground ta TB Below ground ta TI Tank inside build DS Steel drum DP Plastic drum DF Fiber drum CN Can C8 Carboy SI Silo	ank BA Bag ank BX Box	Temporation

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#### PART 2 1994 CHEMICAL INVENTORY REPORT

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CURCTANCE DESCRIPTION	HAZADIS (Obs. d. off that apply)	INVENTORY INCORMATION
SUBSTANCE DESCRIPTION	HAZARDS (Check all that apply)	INVENTORY INFORMATION
Name: CA Yarn Substance Number:  CAS Number:  DOT Number:  Pure (x) or Mixture ( )  Solid (x) Liquid ( ) Gas ( )  Trade Secret: ( ) Check if claiming Location(s	( ) Fire ( ) Sudden release of pressure ( ) Reactive ( ) Acute health effects ( ) Chronic health effects ( ) None per MSDS ) Building #20A, Building #16	Container Type DF, BA  Max. daily inventory 17  Avg. daily inventory 365  Days on site 365  Storage pressure 01  Storage temperature 04  Mixing Room
Name: Cellulose Acetate Butyrate (Flasubstance Number:	ake) ( ) Fire ( ) Sudden release of pressure ( ) Reactive ( ) Acute health effects ( ) Chronic health effects (x) None per MSDS Building #20B	Container Type BA  Max. daily inventory 14  Avg. daily inventory 13  Days on site 365  Storage pressure 01  Storage temperature 04
Name: Cellulose Acetate Propionate (I Substance Number:	Flake) ) Fire  ( ) Sudden release of pressure ( ) Reactive ( ) Acute health effects ( ) Chronic health effects (x) None per MSDS (b) Building #20B	Container Type BA  Max. daily inventory 14  Avg. daily inventory 13  Days on site 365  Storage pressure 01  Storage temperature 04
Name: Cellulose Acetate Propionate Substance Number:  CAS Number: 9004-39-1  DOT Number:  Pure ( ) or Mixture ( ) Solid (x) Liquid ( ) Gas ( ) Trade Secret: ( ) Check if daiming Location(s	( ) Fire ( ) Sudden release of pressure ( ) Reactive ( ) Acute health effects ( ) Chronic health effects (x) None per MSDS s) Building #20B, #7	Container Type DF  Max. daily inventory 15  Avg. daily inventory 14  Days on site 365  Storage pressure 01  Storage temperature 04
Name: Cellulose Acetate Butyrate Substance Number: CAS Number: DOT Number: Pure ( ) or Mixture (x) Solid (x) Liquid ( ) Gas ( ) Trade Secret: ( ) Check if claiming Location(s	( ) Fire ( ) Sudden release of pressure ( ) Reactive ( ) Acute health effects ( ) Chronic health effects (x) None per MSDS Building #20B, #7	Container TypeDF  Max. daily inventory17  Avg. daily inventory17  Days on site365  Storage pressure01  Storage temperature04
INVENTORY RANGE CODES <sup>1</sup> 20 Greater than 10 million pounds 19 1,000,001 to 10 million pounds 18 500,001 to 1 million pounds 17 250,001 to 500,000 pounds 16 100,001 to 250,000 pounds 15 50,001 to 100,000 pounds 14 10,001 to 50,000 pounds 15 1,001 to 100,000 pounds 16 100,001 to 50,000 pounds 17 Tank inside to DS Steel drum 18 10,001 to 50,000 pounds 19 10,001 to 50,000 pounds 10 10 10 10,000 pounds 10 10 10 10 pounds 10 1 to 10 pounds 10 1 to 10 pounds 10 1 to 10 pounds 10 Lass than 1 pound	d tank BA Beg d tank BX Box building CY Cylinder BG Bottles or jugs (glase) BP Bottles or jugs (plastic) BN Tote bin TW Tank Wagon RC Railcar OT Other (Describe)	01 Ambient pressure 02 Greater than ambient pressure 03 Less than ambient pressure

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#### PART 2 1994 CHEMICAL INVENTORY REPORT

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SUBSTANCE DESCRIPTION	)N	HAZAR	DS (Check all that a	epoly)	INVENTORY INFORM	ATION
Name: Ethyl Cellulose Substance Number: CAS Number: 9004-57-3 DOT Number: Pure (*) or Mixture (*) Solid (*) Liquid (*) Gas (*) Trade Secret: (*) Check if daiming	Location(s)	(x) Fire ( ) Suck ( ) Read (x) Acut ( ) Chro ( ) None	den release of pre	essure	Container Type Max. daily inventory Avg. daily inventory Days on site Storage pressure Storage temperature	DF 14 14 365 01 04
Name: Ethyl Cellulose Substance Number: CAS Number: 9004-57-3 DOT Number: Pure ( ) or Mixture (x) Solkd (x) Liquid ( ) Gas ( ) Trade Secret: ( ) Check if claiming	Location(s)	( ) Read (x) Acut ( ) Chro ( ) Non-	den release of prective e health effects onic health effects e per MSDS 20A, Buildin	;	Container Type Max. daily inventory Avg. daily inventory Days on site Storage pressure Storage temperature	BA 14 14 365 01 04
Name: Triphenyl Phosphate Substance Number: CAS Number: 115-86-6 DOT Number: Pure & or Mixture ( ) Solid & Liquid ( ) Gas ( ) Trade Secret: ( ) Check if daiming	Location(s)	( ) Read (x) Acut ( ) Chro ( ) Non	den release of prective e health effects onic health effects e per MSDS 20A - Wareho	i	Container Type	DS 15 14 365 01 04
Name:		( ) Rea 译) Acut 译) Chro	e health effects onic health effects e per MSDS		Container Type Max. daily inventory Avg. daily inventory Days on site Storage pressure Storage temperature	DS 13 12 365 01 04
Name: Cadmium Substance Number: 0305 CAS Number: 7440-43-9 DOT Number: 2570 Pure ( ) or Mixture (x) Solid (x) Liquid ( ) Gas ( ) Trade Secret: ( ) Check if claiming	Location(s)	( ) Rea ( <sub>X</sub> ) Acut (x) Chro ( ) Non	den release of proctive te health effects onic health effects e per MSDS #20C, Buildi	<b>S</b>	Container Type — Max. daily inventory Avg. daily inventory Days on site Storage pressure Storage temperature	BG, DF 12 12 365 01 04
20 Greater than 10 million pounds 19 1,000,001 to 10 million pounds 19 500,001 to 1 million pounds 17 250,001 to 500,000 pounds 18 100,001 to 250,000 pounds 15 50,001 to 100,000 pounds 14 10,001 to 50,000 pounds 13 1,001 to 10,000 pounds 12 101 to 10,000 pounds 11 11 to 100 pounds 11 11 to 100 pounds 10 1 to 10 pounds 10 1 to 10 pounds	ONTAINER CODES /  Above ground in the Below ground in Tank inside but DS Steel drum DP Plastic drum DF Fiber drum CN Can CB Carboy SI Silo	tank BA tank BX	Bag Box Cylinder Bottles or jugs (glass) Bottles or jugs (pleatic) Tote bin Tank Wagon Railcar Other (Describe)	Pressure Immoerature	101 Ambient* pressure 102 Greater than ambient pressure 103 Less than ambient pressure 104 Ambient temperature 105 Greater than ambient temperature 106 Less than ambient temperature 107 Cryogenic (freezing condition 107 Cryogenic conditions (less than ambient temperature) 108 *normal.* *surrounding.* or Yoor	rature ure but not us) nan -200°C)
NOTE: Please see pages 14 thru 16 for gallon and cubic feet conversion factors.					•	DEC-094

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					INVENTABLE DESCRIPTION	HOIT
SUBSTANCE DESCRIPT	ION	HAZAH	DS (Check all that a	ipply)	INVENTORY INFORMA	
Name: Chromium		() Fire			Container TypeBG,	DF
Substance Number: 0432		( ) Sudo	den release of pre	ssure	Max. daily inventory _	12
CAS Number: 7440-47-3		() Read	ctive		Avg. daily inventory _	12
DOT Number:		(x) Acut	e health effects		Days on site	365
Pure ( ) or Mixture (x )		(⟨x) Chro	nic health effects		Storage pressure	01
Solid (c) Liquid () Gas ()		( ) Non	e per MSDS		Storage temperature_	04
Trade Secret: ( ) Check if claiming	Location(s)	Building	#20C and #20	E		
Name: Margarit						~~
Name: Mercury Substance Number: 1183		( ) Fire			Container TypeDF_	
CAS Number: 7439-97-6		•	den release of pre	essure	Max. daily inventory _	12
DOT Number:	-	() Read			Avg. daily inventory	11
Pure ( ) or Mixture (x)			e health effects		Days on site _	365
• •			nic health effects		Storage pressure	01
Solid (x) Liquid () Gas () Trade Secret: () Check if claiming			e per MSDS	_	Storage temperature_	04
Trade Secret. ( ) Check it daining	Location(s)	Building	#20C and #20	E		
Name: Morpholine		(X) Fire			Container Type	DP
Substance Number:			den release of pre	SSUIFA	Max. daily inventory	12
CAS Number: <u>110-91-8</u>		( ) Rea		,50410	Avg. daily inventory	11
DOT Number:		• •	e health effects		Days on site	365
Pure ( ) or Mixture (x)		• • •	nic health effects		Storage pressure	01
Solid ( ) Liquid (x) Gas ( )			e per MSDS		Storage temperature	04
Trade Secret: ( ) Check if daiming	Location(s)		#16 - Electr	ical Room		
				<del></del>		
Name: Sodium Hydroxide		() Fire			Container Type	DP
Substance Number: 1706		( ) Sude	den release of pre	essure	Max. daily inventory _	13
CAS Number: <u>1310-73-2</u>	-	( <sub>x</sub> ) Rea	ctive		Avg. dally inventory _	12
DOT Number: 1823		(x) Acut	e health effects		Days on site	365
Pure ( ) or Mixture (x)			onic health effects	:	Storage pressure	01
Solid ( ) Liquid (x) Gas ( )			e per MSDS		Storage temperature_	04
Trade Secret: ( ) Check if claiming	Location(s)	Building	#16 - Electr	ical Room		
Name: Zinc Stearate		( ) Fine			Container Time	DF
Substance Number:		() Fire	dan salanaa ak ass		Container Type ——— Max. daily inventory _	12
CAS Number: <u>557-03-1</u>		( ) Soo	den release of pre	255UI <b>E</b>	Avg. daily inventory _	12
DOT Number:	_	, ,	e health effects		Days on site _	365
Pure ( ) or Mixture (x)			onic health effects	•	Storage pressure _	01
Solid (x) Liquid () Gas ()			e per MSDS	•	Storage temperature_	04
Trade Secret: ( ) Check if claiming	Location(s)				Ciorage temporaturo_	<del></del>
				Lorent er Brit		250
INVENTORY RANGE CODES 3 20 Greater than 10 million pounds	CONTAINER CODES A	AND DESCRIPTION	INS	STORAGE TEM	PERATURE AND PRESSURE CO	DER
19 1,000,001 to 10 million pounds	TA Above ground to	BA BA	Вар		01 Ambient pressure	
18 500,001 to 1 million pounds	TB Below ground to	ank BX	Box	1	02 Greater than embient pressure 03 Less than embient pressure	)
17 250,001 to 500,000 pounds 16 100,001 to 250,000 pounds	Tt Tank Inside buil DS Steel drum	lding CY BG	Cylinder Bottles or jugs (glass)			
15 50,001 to 100,000 pounds	OP Plastic drum	98	Bottles or jugs (plastic)	Temperature	04 Ambient temperature	
14 10,001 to 50,000 pounds 13 1,001 to 10,000 pounds	DF Fiber drum CN Can	BN	Tote bin	]	05 Greater than ambient tempera	
12 101 to 1,000 pounds	CB Carboy	TW RC	Tank Wagon Railcar	į.	08 Less than ambient temperature cryogenic (freezing conditions)	
11 11 to 100 pounds	SI Silo	OT	Other (Describe)	İ	07 Cryogenic conditions (less tha	
10 1 to 10 pounds 09 Less than 1 pound	1		-	I		
NOTE: Please see pages 14 thru 16 for gallon	}			-Ambient means	"mormal," "surrounding," or "room"	conditions.
and cubic feet conversion factors.						DE0-094

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SUBSTANCE DESCRIPTION	HAZARDS (Check all that appl	) INVENTORY INFORMATION
Name: Copper	( ) Fire	Container Type BG, DF
Substance Number: 0528	( ) Sudden release of pressi	ure Max. daily inventory 12
CAS Number: 7440-50-8	( ) Reactive	Avg. daily inventory 12
DOT Number:	(x) Acute health effects	Days on site 365
Pure ( ) or Mixture (x)	( ) Chronic health effects	Storage pressure 01
Solid (x) Liquid ( ) Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) Check if claiming	ocation(s) Building #20C and 20E	
Name: Ethylene Glycol	( ) Fire	Container TypeDS
Substance Number: 0878	( ) Sudden release of pressi	
CAS Number: <u>107-21-1</u>	( ) Reactive	Avg. daily inventory 12
DOT Number:	(x) Acute health effects	Days on site 365
Pure (x) or Mixture ( )	( ) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (x) Gas ( )	( ) None per MSDS	Storage temperature 04
Trada Carrate / Late 126 125	ocation(s) Trailer with Oil Storage	
	.ocanon(s) <u>italier with oil Storage</u>	- Outside buttatild zor
Name: Sodium Polyacrylate	(x) Fire	Container TypeDP
Substance Number:	( ) Sudden release of pressi	
CAS Number: 9003-01-4	( ) Reactive	Avg. daily inventory 12
DOT Number:	(x) Acute health effects	Days on site 365_
Pure (x) or Mixture ( )	( ) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (x ) Gas ( )	( ) None per MSDS	Storage temperature 04
	ocation(s) <u>Building #16</u> <u>Electrica</u>	
	botton(s) bottonia #10   Interesting	II IVAN
Name: Diethylaminoethanol	X) Fire	Container TypeDP
Substance Number:	( ) Sudden release of pressi	•••
CAS Number: 100-37-8	( ) Reactive	Avg. daily inventory 12
DOT Number:	( ) Acute health effects	Days on site 365
Pure (x) or Mixture ( )		the state of the s
Solid () Liquid (k) Gas ()	( ) Chronic health effects	Storage pressure 01
	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) Check if claiming	Location(s) <u>Building #16 - Electrica</u>	at kodu
Name: Barium	/ \ Fire	Container Type BG, DF
Substance Number:	( ) Fire	Comunici Type —————
CAS Number: 7440-39-3	( ) Sudden release of press	ore max. daily inventory
DOT Number: 1400	( ) Reactive	rivg. dany mitorially
Pure ( ) or Mixture (x)	(x) Acute health effects	Days on site 365
Solid (x) Liquid () Gas ()	(x) Chronic health effects	Storage pressure 01
	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) Check if claiming L	ocation(s) Building 20E, Building 2	20C
	INER CODES AND DESCRIPTIONS STO	DRAGE TEMPERATURE AND PRESSURE CODES
20 Greater than 10 million pounds		01 Ambient pressure
19 1,000,001 to 10 million pounds TA 18 500,001 to 1 million pounds T8	Above ground tank BA Bag	01 Ambient pressure 02 Greater than ambient pressure
17 250,001 to 500,000 pounds TI	Below ground tank BX Box Tank inside building CY Cylinder	03 Lass than ambient pressure
18 100,001 to 250,000 pounds DS	Steel drum BG Bottles or jugs (glass) Tax	mperature
15 50,001 to 100,000 pounds DP	Plastic drum 8P Bottles or jugs (plastic)	04 Ambient temperature
14 10,001 to 50,000 pounds DF 13 1,001 to 10,000 pounds CN	Fiber drum BN Tote bin Can TW Tenk Wagon	05 Greater than ambient temperature
12 101 to 1,000 pounds CB	Can TW Tank Wagon Carboy RC Railcar	D6 Less than ambient temperature but not cryoganic (freezing conditions)
11 11 to 100 pounds SI	Silo OT Other (Describe)	or Cryogenic conditions (less than -200°C)
10 1 to 10 pounds		ary any agricultural frame arms, stage of
09 Less than 1 pound	<b>*</b> A	mbient means "normal," "surrounding," or "room" conditions.
NOTE: Please see pages 14 thru 16 for gallon and cubic feet conversion factors.		DEOLONA

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Reporting Period: January 1 - December 31, 1994

	·		tions carefully before completing this form.
SUBSTANCE DESCRIPTION	ON	HAZARDS (Check all that	apply) INVENTORY INFORMATION
Name: Reaction Products of Substance Number: and CAS Number: 025085-99-8  DOT Number: Pure (x) or Mixture ( )  Solid ( ) Liquid (x) Gas ( )  Trade Secret: ( ) Check it daiming	Bis Phenol A	( ) Sudden release of pr ( ) Reactive ( ) Acute health effects ( ) Chronic health effects ( ) None per MSDS	Avg. daily inventory 13  Days on site 365
Name: Alkylaryl Phosphite Substance Number: 301 CAS Number: 61789-01-3 320 DOT Number: Pure (x) or Mixture () Solid () Liquid (x) Gas () Trade Secret: () Check if claiming	and Wytox	() Fire () Sudden release of pr () Reactive () Acute health effects () Chronic health effects () None per MSDS ilding #20A	Avg. daily inventory 13 Days on site 365
Name: Triethyl Phosphate Substance Number: CAS Number: 000078-40-0 DOT Number: Pure (x) or Mixture ( ) Solid ( ) Liquid (x) Gas ( ) Trade Secret: ( ) Check it claiming	Location(s) <u>Bui</u>	(x) Fire ( ) Sudden release of pr ( ) Reactive (x) Acute health effects ( ) Chronic health effects ( ) None per MSDS ilding #20A	Avg. daily inventory 12  Days on site 365
Name: _Di-tert-octyl Dipheny Substance Number:CAS Number:61702-88-3 DOT Number: Pure ( ) or Mixture ( x) Solid ( ) Liquid ( x) Gas ( ) Trade Secret: ( ) Check if daiming	/1 Oxide (BD047) Location(s) Bui	() Fire () Sudden release of pr () Reactive (x) Acute health effects () Chronic health effect () None per MSDS ilding #20A	Avg. daily inventory 12 Days on site 365
Name: Substance Number: CAS Number: DOT Number: Pure ( ) or Mixture ( ) Solid ( ) Liquid ( ) Gas ( ) Trade Secret: ( ) Check if claiming	Location(s)	( ) Fire ( ) Sudden release of pr ( ) Reactive ( ) Acute health effects ( ) Chronic health effect ( ) None per MSDS	Avg. daily inventory  Days on site
20 Greater than 10 million pounds 19 1,000,001 to 10 million pounds 18 500,001 to 1 million pounds 17 250,001 to 500,000 pounds 18 100,001 to 250,000 pounds 15 50,001 to 100,000 pounds 14 10,001 to 50,000 pounds 14 10,001 to 10,000 pounds 13 1,001 to 10,000 pounds 10 10,001 to 10,000 pounds	ONTAINER CODES AND D  Above ground tank Below ground tank Tank Inside building Steel drum DP Plastic drum CN Can CB Carboy Si Silo	BA Bag BX Box CY Cylinder BG Bottles or juge (glass) BP Bottles or jugs (plastic BN Tote bin TW Tank Wagon RC Raikcar OT Other (Describe)	

Ampol

KleerKast

450 Schuyler Avenue Kearny, New Jersey 07032 (201) 997-1880

April 30, 1985

Mr. Frank D'Ascensio Passaic Valley Sewerage Commission 600 Wilson Avenue Newark, NJ 07105

Dear Mr. D'Ascensio:

We are planning to rebuild our waste water discharge system to conform to the requirements of the NJDEP. We are planning to recirculate the non-contact cooling water, but we are planning to discharge the contaminated waters to the Kearny sewer. We estimate 6500 gallons of water would be discharged to the sewer. We need to apply for a sewer permit and we would like to know whether you will require our treating the water. Such treatment equipment must be included in our engineering designs.

I have enclosed a copy of the analysis of samples taken from two separate locations in our waste water systems, since we are unable to accurately sample the planned discharge to the Kearny sewer.

Blender Water at Time Clock Pit Extruder Vacuum Pump Water Total Estimate of Waste Water Planned for the Kearny Sewer 1600 gal/hr volume 940 gal/hr 6493 gal/hr

Using these water volumes and the concentrations from the analysis, I have estimated the concentration at the outfall. These values are noted on the analysis. I do not know the origin of the volatile chlorine compounds, the lead compounds, or the chlorophenol, since we do not use materials of this sort.

I have contacted Mr. R. Ferraioli, Water Surveyor, City of Kearny and asked him to review these figures also.

Please call if you have any questions.

Yours truly,

Chuck Robinson

CR:mh

cc: Larry Caso

encl

120 - 6318

Let's protect our earth



## STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### NOTICE OF AUTHORIZATION



PERMIT NO.

ISSUANCE DATE

EFFECTIVE DATE

**EXPIRATION DATE** 

NJ0031313

August 21, 1984

October 1, 1984

September 30, 1986

ISSUED TO

FOR ACTIVITY/FACILITY AT

OWNER

Kleer Kast, Inc. 450 Schuyler Avenue Kearny, N.J. 07032 450 Schuyler Avenue Kearny, Hudson County N.J. Same as Applicant

ISSUING DIVISION

TYPE OF PERMIT

STATUTE(S)

APPLICATION NO.

Water Resources

Coastal Resources

NUPDES-DSW

N.J.S.A.

NJ0031313

☐ Environmental Quality

58:10A-1 et seq.

DEP AUTHORIZATIO

A PERMIT TO

Discharge to Frank's Creek, a tributary of the Passaic River, classified as TW-2 waters, in accordance with effluent limitations, monitoring requirements and other conditions as set forth in Parts I, II, III and IV hereof.

By Authority of:
John W. Gaston, Jr., P.E.
Director
Division of Water Resources

Form DEP- 008 7/80

THIS NOTICE MUST BE CONSPICUOUSLY DISPLAYED AT THE ACTIVITY FACILITY SITE.

PCF 000406



#### 120-6318 STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION CN 402

Trenton, N.J. 08625

#### **PERMIT**



Santa jili a kate

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachment accompanying same application, and applicable laws and regulations. This permit is also subject to the further condition and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit Effective Date **Expiration Date** Permit No. Issuance Date September 30, 1986 October 1, 1984 August 21, 1984 NJ0031313 Name and Address of Owner Name and Address of Applicant Location of Activity/Facility 450 Schuyler Avenue Kleer Kast, Inc. Same as Applicant 450 Schuyler Avenue Kearny, Hudson County Kearny, N.J. 07032 N.J. PARTY RESIDENCE TO PROPERTY AND Issuing Division Type of Permit Statute(s) Application No. N.J.S.A. NJ0031313 NJPDES-DSW Water Resources 58:10A-1 et seq

This permit grants permission to:

Discharge to Frank's Creek, a tributary of the Passaic River, a said classified as TW-2 waters, in accordance with effluent limitations; monitoring requirements and other conditions as set forth in Parts ... I, II, III and IV hereof.

Approved by the Department of Environmental Protection

By Authority of: ohn W. Gaston, Jr., P.E.

Director

Division of Water Resources

Arnold Schiffman

Administrator

Water Quality Management The word permit means "approval, certification, registration, etc."

(GENERAL CONDITIONS ARE ON THE REVERSE SIDE.)

#### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning October 1, 1984 and lasting through March 31, 1985 the permittee is authorized to discharge from outfall(s) serial number(s) 001

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic			ischarge Limitations		Monitoring R	equirements
	kgs/day	(1bs/day)	other units	(specified)	Measurement	Sample
•	Avg. Monthly	Max. Daily	Avg. Monthly	Max. Daily	Frequency	Туре
Flow-m <sup>3</sup> /Day (MGD)	N/A	. N/A	N/A	N/A	Monthly	*Composite
Total Organic Carbon	N/A	N/A	N/A	10 mg/1	Monthly	Composite
Temperature <sup>O</sup> C ( <sup>O</sup> F)	N/A	N/A	N/A	30(86)	Monthly	Grab
Chromium**	N/A	N/A	N/A	1 mg/1	Monthly	Composite
Zinc**	n/a	N/A	N/A	1 mg/1	Monthly	Composite

See Compliance Schedule (Page 17 Part IV) for additional requirements.

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored monthly. The sample type shall be grab.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): 001

<sup>\*</sup>The flow may be measured by the pump capacity.

<sup>\*\*</sup>If the permittee does not use a chromium or a zinc corrosion inhibitor, the permittee does not have to sample for chromium or zinc.

Page 14
Permit No. NJ0031313
Part IV

#### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning April 1, 1985 and lasting through September 30, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 001

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Disch	arge Limitations		Monitoring Req	uirements
	kgs/day (	Lbs/day)	other units	(specified)		
					Measurement	Sample
•	Avg. Monthly	Max. Daily	Avg. Monthly	Max. Daily	Frequency	Type

See Compliance Schedule (Page 17 Part IV) for Effluent Limitations and monitoring requirements.

Page 15
Permit No. NJ0031313
Part IV

#### B. SURFACE WATER OUALITY REQUIREMENTS

- The permittee shall discharge so as not to violate Surface Water Quality Standards for Franks Creek, classified as TW-3 water, pursuant to N.J.A.C. 7:9-4.1 et. seq, including but not limited to, the following:
  - A. Floating, Colloidal and Settleable Solids; Color; Petroleum Hydrocarbons and Other Oils and Grease
    - 1. None noticeable in the water or deposited along the shore or on the aquatic substrata in quantities detrimental to the natural biota. None which would render the waters unsuitable for the designated uses.
    - 2. For "Petroleum Hydrocarbons" the goal is none detectable utilizing the Federal EPA Environmental Monitoring and Support Laboratory Method (Freon Extractable Silica Gel Adsorption Infrared Measurement); the present criteria, however, are those of paragraph 1 above.

#### B. Toxic or Hazardous Substances

1. Allowing for natural conditions, none, either alone or in combination with other substances, in such concentrations as to affect humans or be detrimental to the natural aquatic life, or which would render the water unsuitable for the designated uses. None of which would cause standards for drinking water to be exceeded after appropriate treatment.

Page 17
Permit No. NJ0031313
Part IV

#### D. COMPLIANCE SCHEDULE

A compliance schedule is required in order for the permittee to: (1) obtain wastewater flow data; (2) investigate the presence of toxic organic pollutants in the wastewater; and (3) develop a BMP plan.

#### 1. Wastewater Flow Data-

During the period beginning the EDP and lasting through the EDP plus 6 months, the permittee will determine the flow rates and identify appropriate sampling locations of all of the component discharges from the facility. These discharges shall include: (1) the contact wastewater from the band-casting process, (2) the contact wastewater from the heat extrusion process, (3) the noncontact cooling water from the band-casting process, and (4) the noncontact cooling water from the heat extrusion process. In addition, the permittee shall install a continuous flow metering/recording device to measure the flow of the total discharge from the facility.

#### 2. Toxic Organic Pollutants

During the period beginning the EDP plus 6 months and lasting through the EDP plus 2 years, the permittee is authorized to discharge (1) the contact wastewater from the band-casting process, (2) the contact wastewater from the heat extrusion process, (3) the noncontact cooling water from the band-casting process, and (4) the noncontact cooling water from the heat extrusion process.

Such discharges shall each be limited by a maximum daily concentration of 10 mg/l of total organic carbon and a maximum daily temperature of 30°C (86°F). The pH of each discharge shall not be less than 6.0 standard units nor greater than 9.0 standard units. The noncontact cooling water from the band-casting process and the noncontact cooling water from the heat extrusion process shall be limited by maximum daily concentrations of .5 mg/l of chromium and l mg/l of zinc. If the permittee does not use a chromium or zinc corrosion inhibitor, the permittee does not have to sample for chromium or zinc.

#### In addition:

 the contact wastewater from the band-casting process shall be monitored once every two months for two years for Total Suspended Solids, Phenol, Diethyl Phthalate, Dimethyl Phthalate, and Acetone;



Page 18
Permit No. NJ0031313
Part IV

- (2) the contact wastewater from the heat extrusion process shall be monitored once every two months for two years for Total Suspended Solids, Phenol, Bis (2-Ethylhexyl) Phthalate, and Diethyl Phthalate;
- (3) the noncontact cooling water from the band-casting process shall be monitored once every two months for two years for Phenol, Diethyl Phthalate, Dimethyl Phthalate, and Acetone; and
- (4) the noncontact cooling water from the heat extrusion process shall be monitored once every two months for two years for Phenol, Bis (2-Ethylhexyl) Phthalate and Diethyl Phthalate.

Total Organic Carbon, Temperature, pH, Chromium and Zinc shall be monitored monthly. Samples for Total Organic Carbon, Total Suspended Solids, Chromium and Zinc analyses shall be composites. Samples for Temperature, pH, Phenol, Diethyl Phthalate, Dimethyl Phthalate, Bis (2-Ethylhexyl) Phthalate, and Acetone shall be grabs.

The total flow from the facility shall be monitored continuously. There shall be no discharge of floating solids or visible foam in other than trace amounts. The results of flow and analytical monitoring shall be reported monthly.

#### 3. BMP Plan

The BMP Plan shall be submitted to NJDEP for review within six (6) months of the effective date of this permit. The Plan shall be implemented within 12 months of the effective date of this permit.



# LOCATION AND VICINITY MAP

SCALE AS NOTED

DATE FEBRUARY, 1986

SHEET NO.

of 4

-PROP FLOW MONITOR
B SAMPLER SENORS
TO BE INSTALLED IN
JUNCTION BOX J9

- Approx. Boundary of Wellands

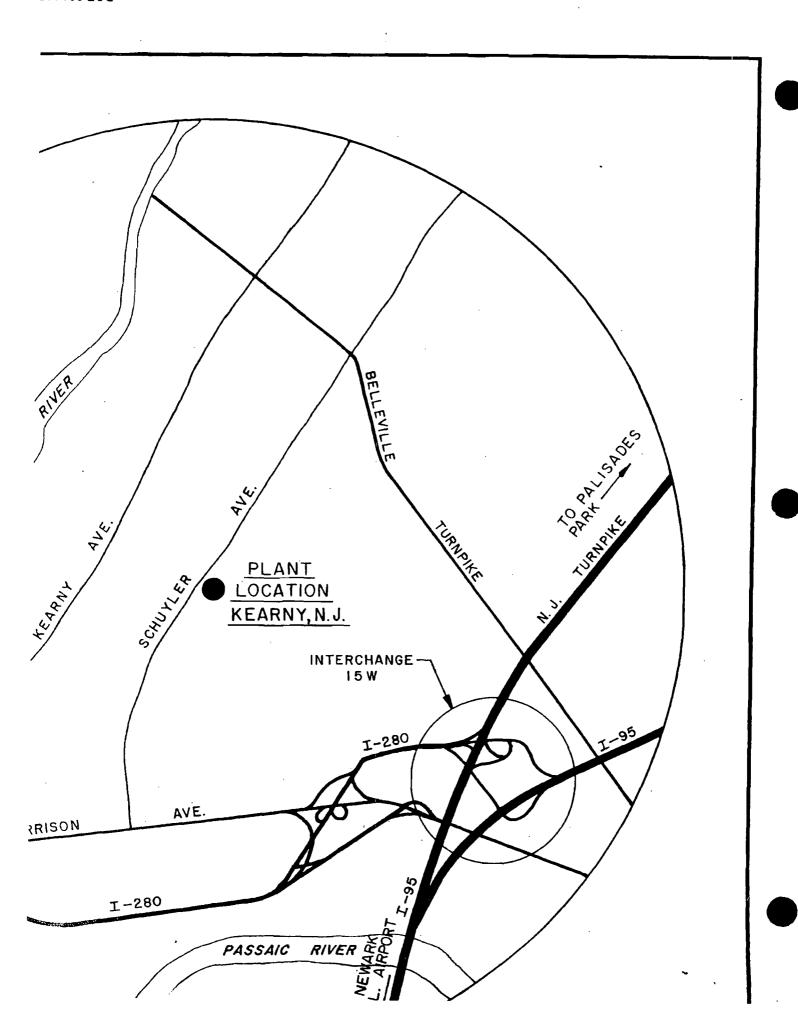
LEER KAST INC. Y, NEW JERSEY

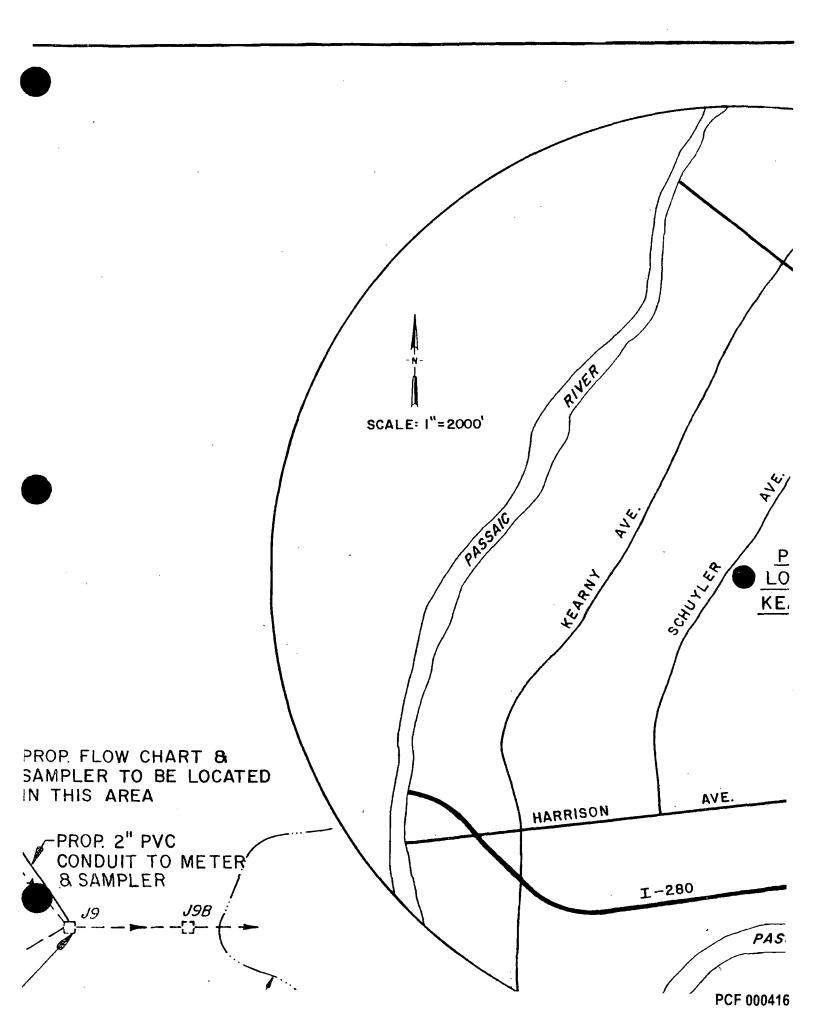
ER / TSA

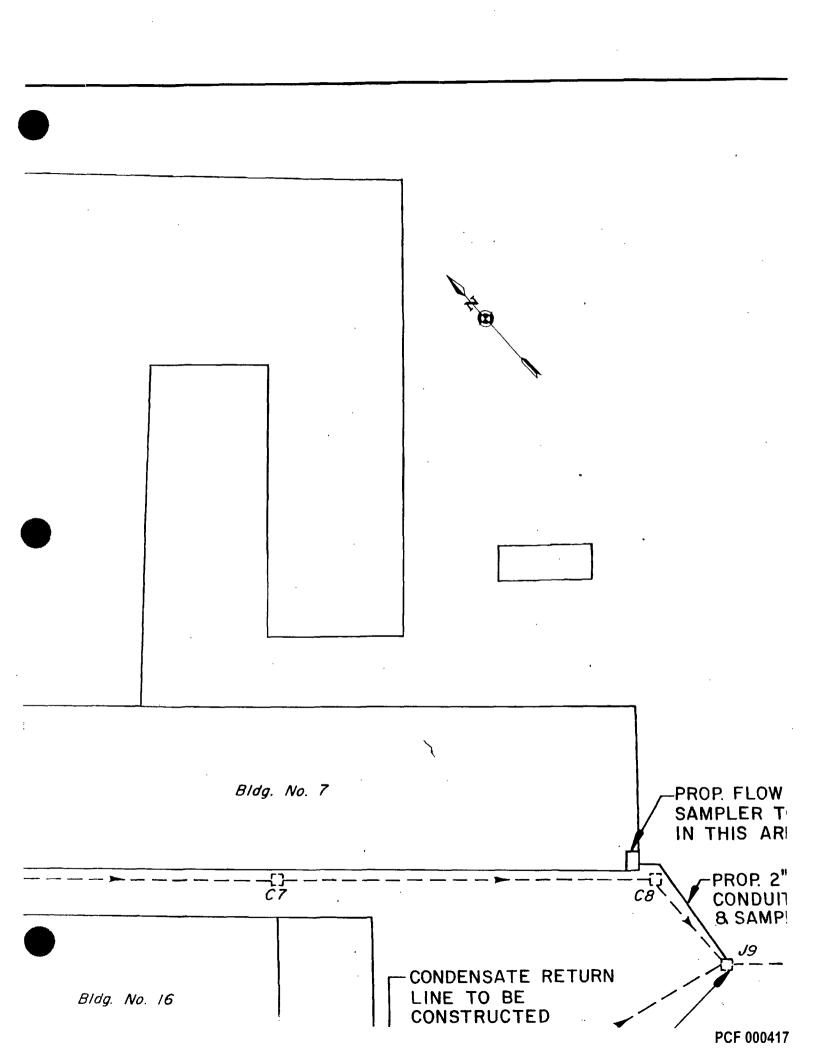
ER, PENNSYLVANIA

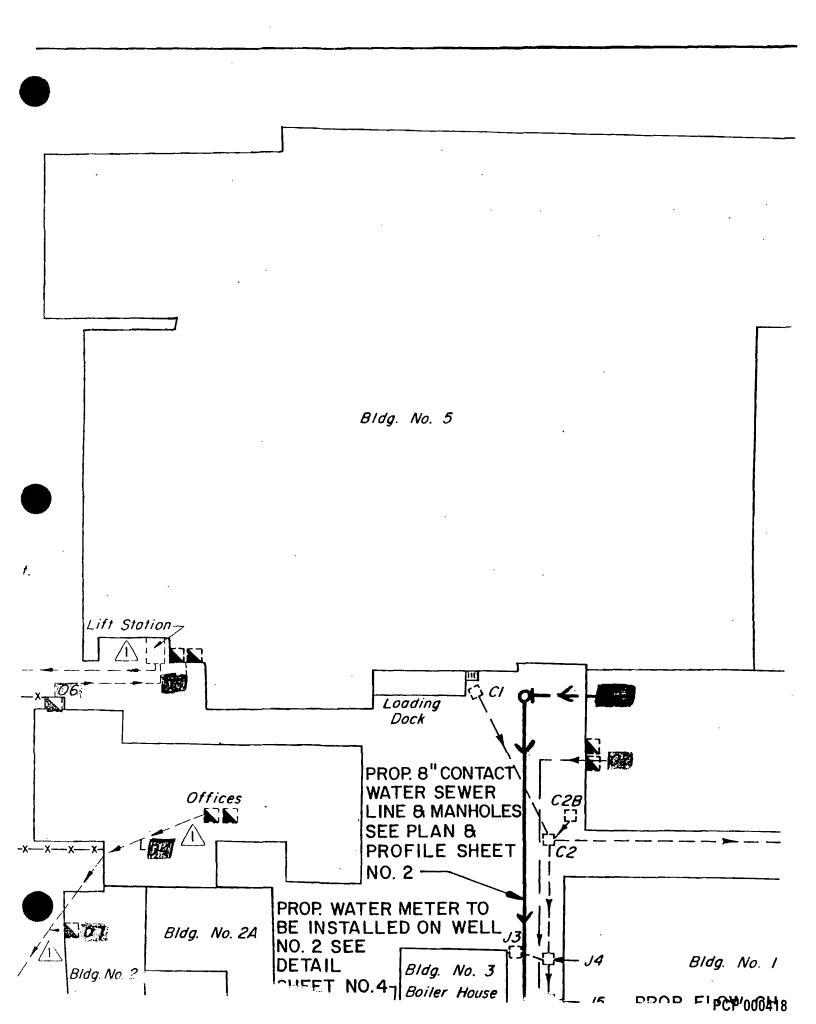


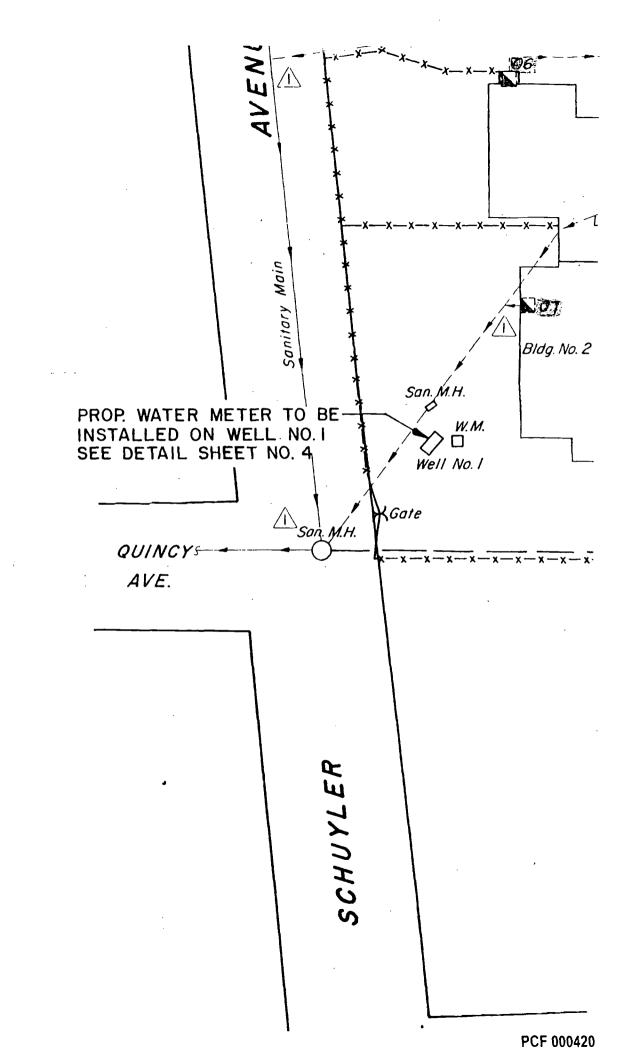
SCALE

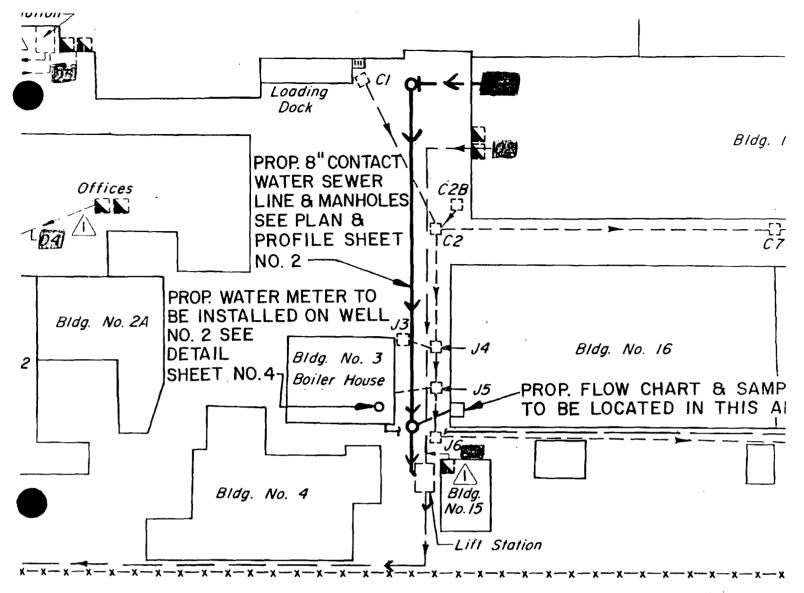








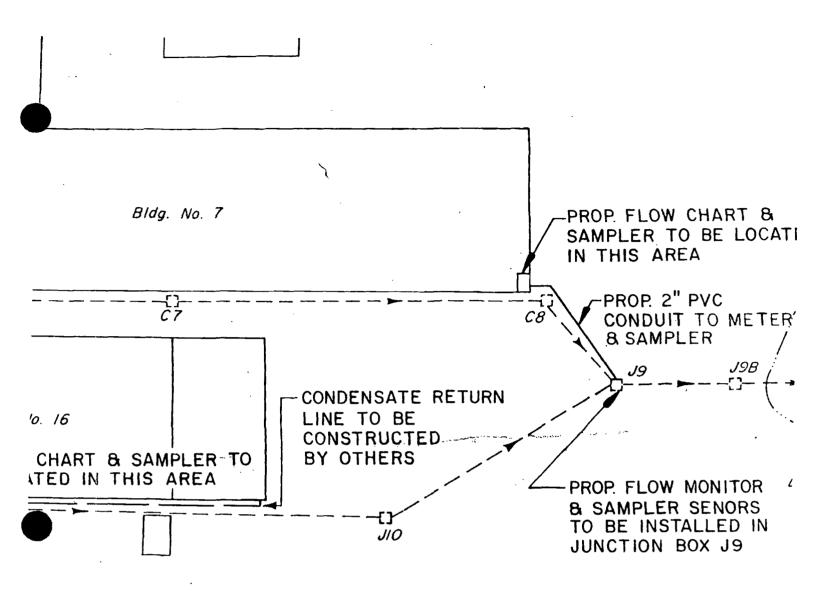




## AMPOL/KLEER KAST FACILITY LOCATION MAP N.T.S.

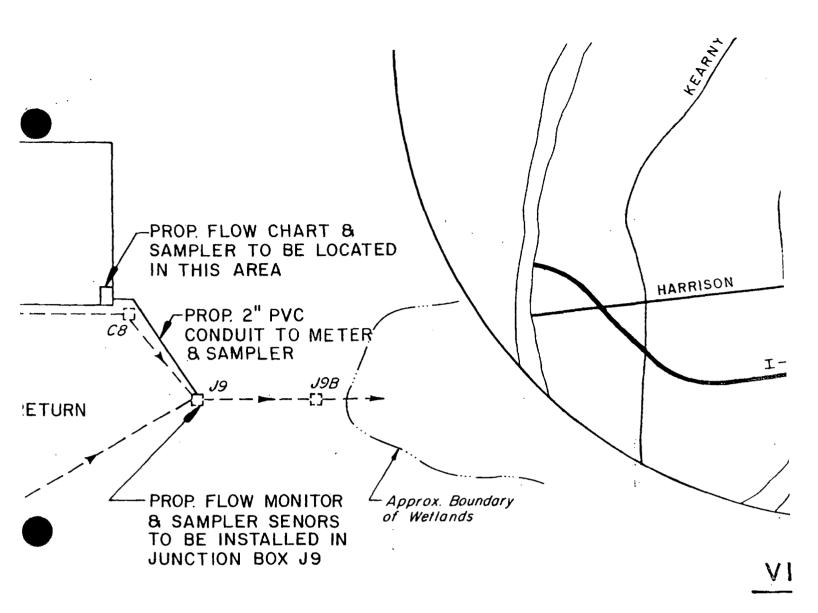
#### **LEGEND**

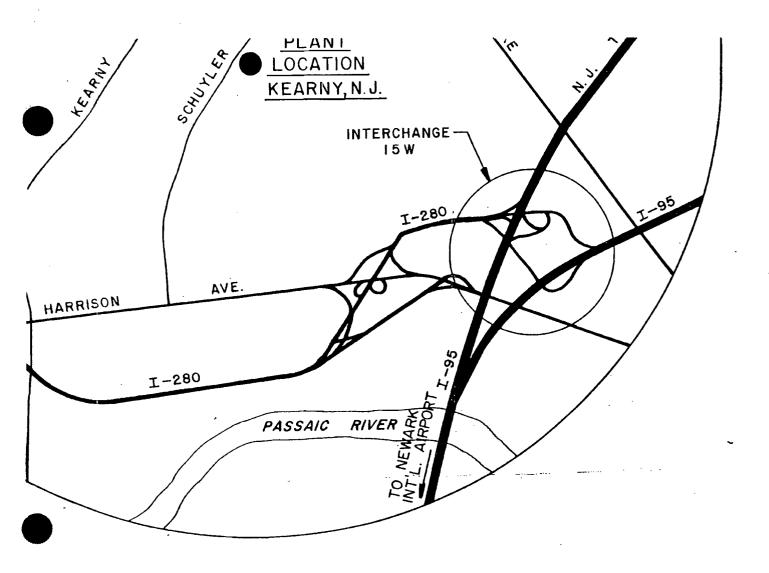
	Existing Sanitary Sewer 4" Dia. Ductile Iron Pipe
	Existing Contact Storm Sewer 8" Dia. Vitrified Clay Pipe 8 Car
x x x	Existing Security Fence
<b>5</b>	Existing Catch Basins (CI,C2,C2B,C7,C8)
<b>E</b> 3	Existing Junction Boxes (J3, J4, J5, J6, J9, J9B, JIO)
	PROPOSED CONTACT WATER SEWER 8" DIA. DUCTILE IRON PIPE & MANHOLES
<b>S</b> 2	Existing Lavatory

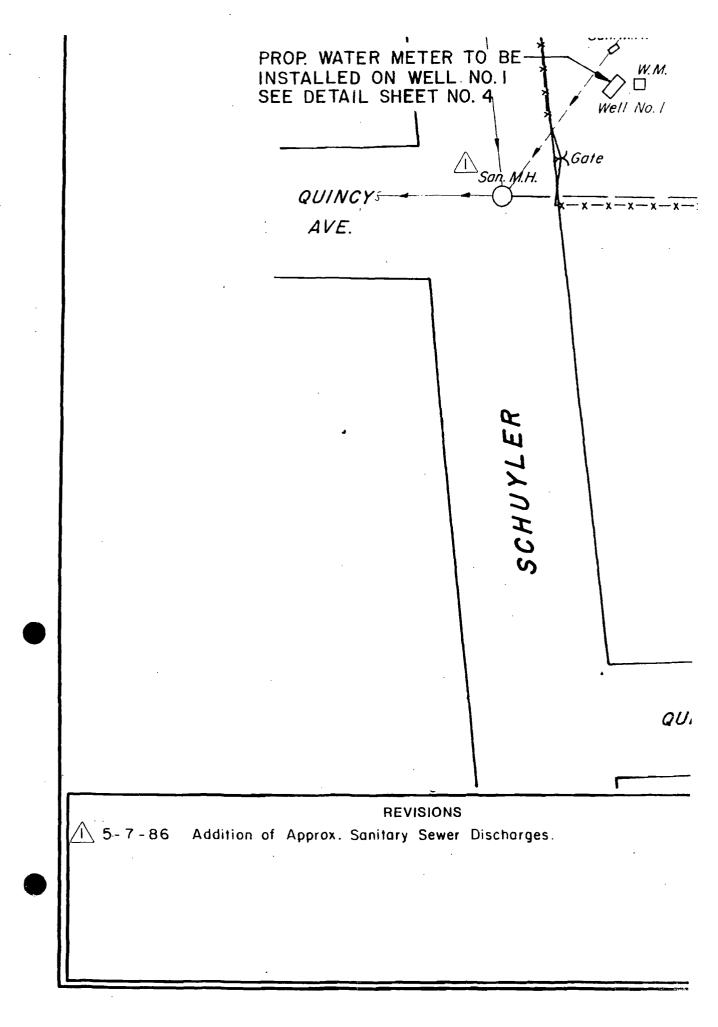


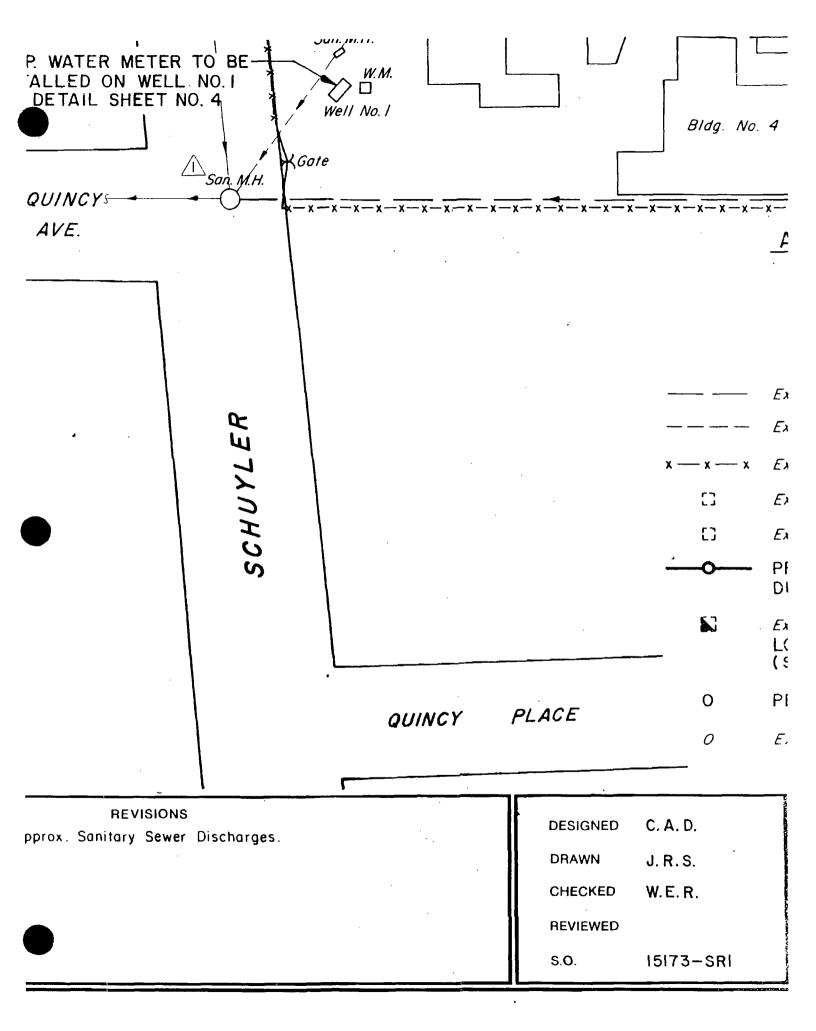
Pipe
ied Clay Pipe & Catch Basins

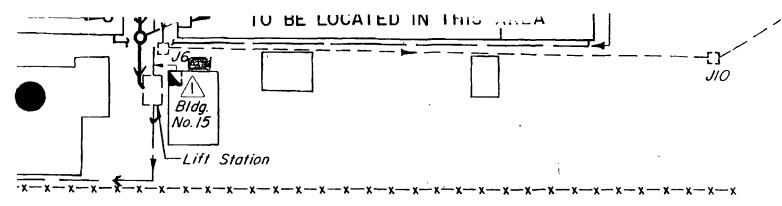
, *J98*, *JIO* )
ER 8" DIA.











# AMPOL/KLEER KAST FACILITY LOCATION MAP N.T.S.

### LEGEND

Existing Sanitary Sewer 4" Dia. Ductile Iron Pipe

Existing Contact Storm Sewer 8" Dia. Vitrified Clay Pipe & Catch Basins

Existing Security Fence

Existing Catch Basins (C1, C2, C2B, C7, C8)

isting Junction Boxes (J3, J4, J5, J6, J9, J9B, J10)

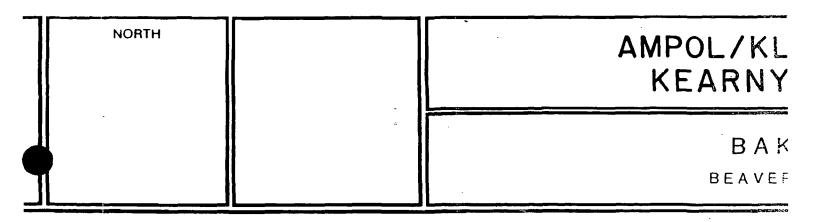
PROPOSED CONTACT WATER SEWER 8" DIA. DUCTILE IRON PIPE & MANHOLES

Existing Lavatory

LOCATION OF PROPOSED WATER METERS (SEE DETAIL SHEET NO. 4)

PROPOSED SANITARY SEWER OUTLET (01)

Existing Sanitary Sewer Outlets (02,03,04,05,06,07)



Ampol Micerkast

450 Schuyler Avenue Kearny, New Jersey 07032 (201) 997-1880

October 21, 1985

Mr. Frank D'Ascensio Passaic Valley Sewerage Commission 600 Wilson Avenue Newark, N.J. 07105

Dear Mr. D'Ascensio:

On September 30, 1985, we filed an application for a sewer connection permit to treat our industrial waste water. The application is being handled by Mr. Vincent Olivio.

We wish to expedite the application approval because the US E.P.A. has filed a civil action against Kleer Kast for a violation of the "Clean Water Act". The action is USA vs. Kleer Kast, Inc., Civil Action No. 85-4718, U.S. District Court, District of New Jersey, Newark, N.J. The ability to discharge our industrial waste to the Kearny sewer to be treated by Passaic Valley is the main part of our plan to satisfy the US E.P.A.

Yours truly,

Charles B. Robinson Technical Manager

ClorloB. Dolling

CBR; kk

DATE OF VISIT

10/28/85

COMPANY NAME

Kleer Kast - Ampol - Kearny

**PVSC REPS** 

D. See, R. Hampson

**PURPOSE** 

District Verification

SUMMARY

On October 28, 1985, a PVSC investigated Kleer-Kast-Ampol to verify the location of the facility within the bounds of the PVSC district. Kleer Kast is located on the east side of Schuyler Avenue almost directly across from Quincy Avenue. The company address is 450 Schuyler Avenue and the facility is approximately 200 ft. from the road, with some of its buildings dropped well below the level of the road. Currently, the company has two sanitary lines tying into the PVSC line and has expressed interest in adding additional industrial lines into the system as a result of the decision of NJ DEP in which the state would not allow the direct discharge of some contact cooling water. This would necessitate a follow up visit if an industrial/tje-in is approved.

Dave See

Rich Hampson

DS,RH/cc

#### MEMORANDUM:

TO:

Frank D'Ascensio

FROM:

Carmen DellaPia

DATE:

October 29, 1985

SUBJECT:

KLEAR KAST CO - KEARNY

Our review indicated that this company meets the criteria to be an industrial user. However, our onsite inspection indicates that they are not in the PVSC district. The attached letter from Kearny is self explanatory. Please advise if a policy decision can be made so we will know how to proceed.

CDP/mc

10/20/08

Carmen of believe that the sewer district has been

expanded to include this area of Kearing. Based on what

In l'avrence said we can proceed with the application

rever proces fo

PASSAIC VALLEY SEWERAGE COMMISSIONERS APPLICATION FOR A SEWER CONNECTION PERMIT

	SECTION A SECTION AS CARD
1.	Company Name: Kleer Kast Ampol Division Inc.
2.	Permit number if applicable, N.A. 15405032
3.	Location: 450 Schuyler Ave
	Kearny, N. J. zip Code: 07032
4.	Mailing Address: Same
	Zip Code:
5.	Person to contact concerning information provided in this application:
	Name of Contact Official: Mr. Fdware J. Austin
	Title: Plant Manager Phone No. 201-997-1850
	Address: Same Zip Code
6.	Number of Employees - Full Time: 50 Part Time:
	Number of Work Days Per Year: 300
	Number of Shifts Por Days
7.	If property is owned indicate block and for numbers: 450 block Schuy R. Ave
	corner property bound by Burney Place, Schuyler Ave
	Assessed Value: 1, 200, 000 1984-1985 + Eire -Lackawarm
8.	If property is rented indicate name and address of owner: 18.63 acres
	Total square feet rented:
9.	List NJPDES Permit number if applicable,  N.V.0031313  and
	List NJPDES Permit number if applicable,  **NJOO3/3/3 and name of receiving body of water entered Frank's Creek, Hacken sack  **River**
	River
	UUT 1985

#### **SECTION B**

#### WATER DATA

10	Water	Source:	(Circle all	appropriate	answers)
Tr.	Marci	Dograde:	(Curete att	appropriate	STEM CT 21

Purchased Y-N

Well (Y)- N
River Y - N

If Y, is it metered

If Y, is it metered

Y-n partly

11. Name of purchased water supplier: Kearny Water Dept, Kearny N.J.,
List all Acct #s: 5-041-036.00, 5-040-033.00, 5-040-055.00

12. Water Received: From Mo. / Yr. 85 Through Mo. 12 Yr. 85

(\* Next to a figure means it is estimated). PST I wated from meter readings

	PURCHASED	WELL .	RIVER	TOTAL
1st Qtr	3.4m.11:000	9-91 / m	11/0m	
2nd Qtr.	3.4 million	72.7 m	illim	
3rd Qtr.	3.4 million	32.7 m	illian	
4th Qtr	3. 4 million	32.) m	illia-	

GRAND TOTAL 104.5

Report in gallons

13. Water Use and Disposition (\* Next to a figure means it is estimated). per year

	Gallons Sanitary/Combined Sewer	Discharged Stormsewer/ River/Ditch	Gallons Used Other
Sanitary Service Only	O. 4 millions	0	
Process Waste Water		10.1 million	
Cooling Water		94.0 milliont	
Evaporation			
Contained in the product	$\rightarrow$	$\rightarrow$	
Other (Describe)			

GRAND TOTAL 104.5 million gallons/year.

#### SECTION B (CONTINUED)

14.	Process wastewate	r which is, discharged as abo	ve is metered	d as follo	ows:
	to the Separat	e Sanitary Sewer	Y -(V)		
	to the Combin	ed Sewer	Y -(N)		
	to a storm sew	er	Y -(N)		
	river or ditch		Y -(N)		
15.	Waste Hauler Info	rmation: List all firms and	or independ	ent con	tractors used to
	remove process was	ste or sludge from this facil	ty.		
	Contractor	Address	Ico	c#	Waste type handled
	Delbros Inc.	1235 Harrison	tre		non-texic trash
		Kearny, NJ 07	037		in trash compactor
		13			12-000 165/41k
		SECTION	<u>DN C</u>	ૢૢૢૢૼ૽ૼ	
OPE	RATIONAL CHARA	CTERISTICS			
16.	Discharge of Indust	rial Waste is continuous	×		
	or intermittent	on about	erating day.		
				Sh. Care	i
	If the discharge is	intermittent, it occurs betw	een <b>sie</b> follo	wing hou	ırs:
17.	Brief description of	f Manufacturing or other ac	ivity perfor	pled:	abricate
		1	thond	les	by blending.
	compani	1	1 min	ee1	Iulose accetete
		1 ()		1	
			1 Shape	<u> </u>	
18.		erials used:		cete	
	plastic17	ers eral	5 mal	IL C	munts of
	colorant	7			
			···		
		0 1	. / /	. 1	
19.	Principal Products	or Services: YabriC	are to	01 ^	1 rates
	tabricate	- ce/hilose ac	etete.	ros	d, compand
	cellulose	acetate p	elle ts	FON	- austomers
	to moid	in into	radino	te	andles de compand customers
	1,40,100	· · · · · · · · · · · · · · · · · · ·	10 000	<u> </u>	

#### SECTION C (CONTINUED)

20.	, , , , , , , , , , , , , , , , , , , ,
	variations in product lines which affect waste characteristics: ho variations
	occur.
	SECTION D
MON	ITTORING
21.	Describe any pretreatment process or effluent monitoring system in use:
	outlet 1 no pretreatment or monitoring
	outlet 1 no pretreatment or monitoring is used at this time.
	Outlet
	Outlet

22. Sampling information

Outlet	Contains Ind. Waste	Sampler Type	Refrigerated
1	488	random grab sample	ho
	/	by testing laboratory.	

#### SECTION D (CONTINUED)

23. Volume Information

Outle	Daily Flow Meter et (Gallons) (Y	N) Type Date
1	Process Waste 28,000	flows were estimated
L	Coolin + Storm261,000	hy mendaring each
1	1 water	making output and
		theye together 3/85 - 6/85
24.	Frequency of calibration of each flow meter	1

- 25. Attach a plot plan of the property showing:
  - (a) all existing of proposed swer and drain lines (including outlets to a storm sewer, river or steh);
  - (b) sample point (s); Monitoring or Pretreatment Equipment;
  - (c) details of the connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.

#### SECTION E

#### ANALYSIS OF INDUSTRIAL WASTE

26.	Analysi	s for Industrial We	aste must be a composite	e sample taken for each outlet.	
	OUTLE	T NO		3/1/	185
S	ee	aHach	analysis	from Shimel +	Sor

Report to the nearest unit: XX. except where indicated with (1) Example: 15 mg/l			Report to the nearest hundredth: 0.XX except where indicated Example: 0.36 mg/l		
Code Paramenter Value		Code	Parameter Value		
0200*	Radioactivity (PL-1)		1097*	Antimony (Sb)	
0500	Total Solids		1002*	Arsenic (As)	
0510	Total Mineral Solids		1022*	Boron (B)	
0530	Total Suspended Solids		1027*	Cadmium (Cd)	
0552	Mineral Suspended Solids		1034*	Chromium Total (Cr)	
0550 (1)	Emulsified Oil or Grease		1042*	Copper (Cu)	
0310	Biochemical Oxygen Deman	d	1045*	Iron (Fe)	
	(BOD)		1051*	Lead (Pb)	
0340	Chemical Oxygen Demand	<del> </del>	0720	Cyanide (CN)	<del> </del>
	(COD)		1900	Mercury (Report to 0.XX)	
0680	Total Organic Carbon		1067*	Nickel (Ni)	
	(тос)		1147*	Selenium (Se)	
0745* (1)	Sulfide		1077*	Silver (Ag)	
9000 (1)	pH (standard unit range)		1102*	Tin (Sn)	
0625* (1)	Kjeldahl N as N		1092*	Zine (Zn)	
0610* (1)	Ammonia as N		2730*	Phenol	
0507* (1)	Ortho Phosphates as P		4053*	Pesticides (Report	
9998* (2)	TTO ( Report to 0.XXX)			to 0.XXX)	
			9999(7	TTVO (Report to 0.XXX)	

The Parameters marked with a (1) must be reported to the nearesth tenth, i.e., 1.6 mg/l.

Those Parameters marked with an asterisk (\*) need only be analyzed for if reasonably expected to be present in the discharge. (2) See instructions.

### SHIMEL and SOR TESTING LABORATORIES, INC.

Testing - Inspection - Consultation 98 Sand Park Road, Cedar Grove, N.J. 07009 (201) 239-6001

Branch Office: 118-120 Sandlord St. New Brunswick, N. J. 08903 (201) 494 - 2448

Kamil Soi, Ph.D. Charles Shimel, P. E.

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lient Ampol/Kleer Kast. 450 Schuyler Ave... Kearny, 450 Schuyler Ave., Kearny, NJ 01061 ubject Laboratory Testing of Wastewater Samples Report No :85-731 Dois 3/1/85

The following are laboratory test results of wate

taken on February 7, 1985:

Parameter pH, S.U. Total Suspended Solids, mg/l Qil and Grease, mg/1 Chemical Oxygen Demand, mg/1/ :Total Organic Carbon, mg/1 Total Nitrogen, mg/l as N Metals:

lron, mg/1 Lead, mg/1 Chromium, mg/1 Copper, mg/1 Cadmium, mg/1 Zinc, mg/1

at time Clock Pi

0.020 0.10 0.025

0.019

0.01 0.025

ear Extrudes 7.5 2 3,75

93 17.41 193.5 57,75

40.88

0,753 0.9

0.025

85.

0.10 0.025

0.010

0.01

0.01

SHIMEL AND SOR TESTING LABORATORIES.

Kamil Sor, Ph

President

KS/rp

cc: (1) Client

Attn: Mr. Charles Robinson

### volatile Organic Compounds

	•		
	Parts per Billion	in Sample	
COMPOUNDS	Blender Water at	Cooling Wa	
Bromoethane	Time Clock Pit	from Extrude	ers 10 rati
Dichlorodifluoromethane		<u>~ 2</u>	my /se
Vinyl Chloride	. 46	2	P P B
Chloroethane	∠ 2	<i>2 1 1 1 1 1 1 1 1 1 1</i>	11.93
Nethylene Chloride	25	40	11.73
Trichlorofluoromethane	~ 2	2	
1,1, Dichloroethylene	2	- L	
		< 2	A CONTRACTOR OF THE PARTY OF TH
1, 1, Dichloroethane	< <sup>2</sup>		
trans-1, 2 Dichloroethylene Chloroform	2 2		
1, 2 Dichloroethane	Z 2		<b>3</b> *.
1, 1, 1 Trichloroethane	= 2		, ·
Carbon Tetrachloride	< 2	2	
Bronodichloromethane		- 2	
1, 2 Dichloropropane		~ 2	
trans-1, 3 Dichloropropene		~ 2	
Trichloroethylene		200	9.45
Dibromochlomethane	2	- 2	7. 70
1, 1, 2 Trichloroethane	< 2	· 2	
cis-1, 3 Dichloropropylene	< 2	. ~ 2	
Benzene	< 2	_ 2	÷ 4.
2-Chloroethylvinyl Ether	< 2	<b>→</b> 2	
Broinoform	< 2	- 2	
1, 1, 2, 2 Tetrachloroethane	2	. 2	
Tetrachloroethylene	< 2	= 2	
Tolucne	< 2	~ 2	
Chlorobenzene	< 2	2	•
Etly lbenzene	3	- 2	
Acrolein	< 2	- 2	
Aciylonitrile	~ 2	<b>~</b> 2	
Chlorenethane	< 2	<b>~</b> 2	•
		A STATE OF THE STA	

#### Base Neutral Extractables

Parts	per	Billion	in	Sample.

•	Blender Water at	Cooling Water
COMPOUNDS	Time Clock Pit	from Extruders 10/al
1,3-dichlorobenzene	<b></b> 5	-5 m
1,4-dichlorobenzene	· ≥ 5	< 5 1) 8 R
Hexachloroethane	<u>~</u> 5	= 5 P P U
l,2-dichlorobenzene	< 5	<b>←</b> 5
bis (2-chloroisopropyl) ether	<b>∠</b> 5	, < 5
Hexachlorobutadiene	<b>-&lt;</b> 5	<b>∠</b> 5
1,2,4-trichlorobenzene	<b>~</b> 5	<del></del> 5.
naphthalene	< 5	<u>~</u> 5
bis (2-chloroethyl) ether	<b>∠</b> 5	, · · · <del>· · ·</del> 5
hexachlorocyclopentadiene	<b>∠</b> 5	<b>←</b> 5
nitrobenzene	<b>←</b> 5	5
bis (2-chloroethoxy) methane	<b>← 5</b>	5
2-chloronaphthalene	<b>← 5</b>	
acenaphthylene		<u> </u>
acenaphthene	< 5	< <u>5</u> · · · · · · · · · · · · · · · · · · ·
isophorone	< 5 ·	<b>4</b> 5
fluorene	5	5
2,6-dinitrotoluene		A Comment of the Comm
1,2-diphenylhydrazine	< 5	3
2,4-dinitrotoluene	<b>~5</b> ,	5
N-nitrosodiphenylamine		
hexachlorobenzene	< 5 miles	2 3
bis (chloromethyl) ether	77	5
Phenathrene		< 5°
anthracene	13	
dimethylphthalate	30	180 36.65 604 94.85
diethylphthalate fluoranthene	50	• - 5
di-n-butylphthalate	40	< 5 i0.58
benzidine	C C	<b>₹</b> 5
butyl benzylphthalate	5	.·. <del>-</del> 5
chrysene	- 5 - 5	<b></b> 5
bis (2 ethylhexy) phthalate	5	< 5
benzo (a) anthracene	- 5	· <del>&lt;</del> 5
benzo (b) fluroanthene	- 5	<b>∼</b> 5
benzo (k) fluroanthene	< 5	-< <u>5</u>
benzo (1) pyrene	S	-< 5
ideno (1,2,3-cd) perylene	~~ <b>5</b>	-< 5
dibenzo (a,h) anthracene	<del>- 5</del>	5
benzo (g h i ) perylene	_ 5	
N-nitrosodimethylamine	<b>~</b> 5	<b>← 5</b>
N-nitrosodi-n-propylamine		<b>5</b> , 5
4-chloro-phenyl phenyl ether	∠ 5.	
3,3-dichlorobenzidene	<b>5</b> 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
2,3,7,8-tetrachlorodibenzo-p-dio	xin $ = 5 $	2.5
deuterated anthracene (d10)	<b>~</b> 5	

#### Acid Extractables

#### Parts per Billion in Sample

	Blender water at	cooling water ,
COMPOUNDS	Time Clock Pit	from Extruders lotul
2-chlorophenol phenol	220	PPB 54.93
2,4-dichlorophenol	<b>-</b> ₹5	45
2-nitrophenol	<b>~</b> 5 €	<u></u> \$
p-chloro-m-cresol	<b>-</b> ✓ 5	5
2,4,6-trichlorophenol	<u> </u>	270 40,33
2,4-dimethylphenol	<b>~</b> 5	< 5
2,4-dinitrophenol	<b>~</b> 5 ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅ ⋅	< 5
4,6-dinitro-o-cresol	<b>&lt;</b> 5 ⋅	<u>_5</u>
4-nitrophenol	≤ 5	<u>~ 5</u>
pentachlorophenol	< 5	_ 5
deuterated anthracene (d10)	* < 5	· ~ %

#### SECTION E (CONTINUED)

	Samples collected by: Ronda Roff, Chenist Shinelt
	Samples collected by: Runda Roff Chemist Shimelt Som 98 Sand Park Rd, Cedar Grove, M. J. Date: 3/7/85 Samples analyzed by: Some, as above
	Samples analyzed by: some as above-
	Date: $3/1/85$
	Products being manufactured when sample was collected: Same as described
	above.
27.	Who performs the analysis of the samples for User Charge? The factor is the samples for User Charge?
	been made,
	been made,
28.	Is the Laboratory certified by NJDEP to conduct all the analyses? Y N
29.	Who performs the analyses of the samples for the pretreatment parameters?
-	(If monitoring has not commenced for pretreatment, indicate laboratory you plan to use. If unknown, so state): Shime / + Sov. (ac above)
30.	Is The Laboratory certified by NJDEP to conduct all the required Pretreatment analyses?
	Y-N_NONR_
31.	Based upon knowledge of materials and processes used at this facility check the approprite box
·	that best describes the potential that a Priority Pollutant, listed on Tables 1, 2, & 3 is present in

your discharge.

#### SECTION F

#### **PRETREATMENT**

32.	Industrial Category: plastics processing
	Subpart (s): I no fub parts) Philipp I & Sor Analysis done to refeet the
33.	Compliance date(s): NONE J'ET.
34.	Date Baseline Monitoring Report (BMR) submitted to PVSC:
35.	Compliance schedule submitted? i
	If yes is facility on schedule?Explain if compliance date will not be met:
36.	Does this facility come under the Resource Conservation and Recovery Act (RCRA)?
37.	Does this facility have a Spill Prevention Control and Countermeasures (SPCC) plan?
	If yes, describe: ho way exists to prevent the lagran from draining into the Hackensack Plus
38.	Has this facility ever been cited by NJDEP or EPA for a violation of State or Federal Regulations for the nature of its wastewater discharge? $Y - N = \frac{Y + Y}{Y}$
	SEE LUTTER # 120-6627 DATED 18/21/85

#### **CERTITICATION:**

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete, and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing officia	: LARRY S. CAS	) ()
TITLE: (2em	end Wava Got	
0-30-85 DATE	Sid	NATURE

#### TABLE 1 EPA PRIORITY POLLUTANTS

NAME	A	В	С	D		A	В	C	D
acenaphthene			X		2,4 dimethylphenol			X	
acrolein	1		X		2,4 dinitrotoluene	<del> </del>	<del>                                     </del>	15,7	
acrylonitrile	-		X		2,6 dinitrotoluene	<del>                                     </del>	<b>†</b>		
benzene			X	· · · ·	1,2 diphenylhydrazine	1	<b>†</b>	-	-
benzidine	<del> </del>		X	1	ethylbenzene	<del> </del>	1		i
carbon tetrachloride	1		K		fluoranthene	1	<b>†</b>	17	
(tetrachloromethane)					4-chlorophenyl phenyl ether	<b>†</b> —	<del>                                     </del>	1	
chlorobenzene			V		4-bromophenyl phenyl ether	<del>                                     </del>	1	1	
1,2,4-trichlorobenzene			X		bis(2-cloroisopropyl) ether	1	†	1 25	i
hexachlorobenzene	1		X		bis(2-chloroethoxy) methane	<del>                                     </del>	1	- ~	
1,2 dichloroethane	1		X	1	methylene chloride	<del>†</del>	† <del></del> -	17	<del> </del>
1,1,1, trichlorethane	<u> </u>		V		(dichloromethane)			ļ	
hexachloroethane			×		methyl chloride	1	+	$\overline{\nabla}$	
1,1, dichloroethane	1		>		(chloromethane)		-	<u> </u>	
1,1,2 trichloroethane			X		methyl bromide		-}		
1,1,2,2, tetrachloroethane			1		(bromomethane)			1	
chlorethane					bromoform(tribromomethane	1	1	1	
bis(chloromethyl) ether			X		dichlorobromomethane	1		1	
his(2 chloroethyl) ether	7		X	1	trichlorofluoromethane	<del> </del>	<del> </del>	1	
chloroethyl vinyl ether (mixed)	1		X		dichlorodifuoromethane	†	-	15	<u> </u>
z-chloronaphthalene			X	<b></b>	chlorodibromomethane	<del>                                     </del>	$\dagger$	1	<del> </del> -
2,4,6, trichlorophenol			X		hexachlorobutadiene	<b>†</b>	<del> </del> -	ヤブ	<b>†</b>
parachlorometa cresol			$\mathbf{x}$		hexachlorocyclopentadiene	1		1	
chloroform (trichloromethane)				1	isophorone		1	5.7	
2 chlorophenol			X		naphthalene	1		1	Ţ
1,2, dichlorobenzene			$\times$		nitrobenzene			150	
1,3, dichlorobenzene			$\times$		2-nitrophenol				
1,4, dichlorobenzene			X		4-nitrophenol				
3,3, dichlorobenzidine			$\searrow$	1	2,4-dinitrophenol				
1,1, dichloroethylene				1	4,6 dinitro-o cresol			1	1
1,2, trans-dichloroethylene				1	N-nitrosodimethylamine			124	
2,4, dichlorophenol			$\geq \leq$	1	N-nitrosodiphenylamine				
1,2, dichloropropane		<u></u>	<u> </u>	1	N-nitrosodi-n-proplyamine				
1,3 dichloropropylene			><		pentachlorophenol			1	1
(1,3 dichloropropene)			V		phenol			1	1

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### TABLE 1 EPA PRIORITY POLLUTANTS (CONTINUED)

NAME	A	В	С	D		A	В	С	D
bis(2-ethlhexyl) phthalate			X		endrin				
butylbenzylphthalate					endrin aldahyde			V	ļ — —
di-n-butylphthalate			1		heptachlor	<del>                                     </del>			
di-n-octylphthalate					heptachlor (epoxide)			K,	
diethylphthalate	$\overline{\mathbf{x}}$		1		BHC Alpha			1	
dimethylphthalate	$\overline{}$				BHC Beta	1.		1	
benzo(a)anthracene			X		BHC Gamma			~	
benzo(a)pyrene			>		BHC Delta			<b>N.</b> 7	
3,4 benzofluoranthene			X		PCB-1242			7.	
benzo(k)fluoranthane			K		PCB-1254			X	
chrysene			ŚŻ		PCB-1221		i –	1	
acenaphthylene			X		PCB-1232			1	
anthracene			$\sim$		PCB-1248			1	
benzo(ghi)perylene			X		PCB-1260			\ <u>`</u>	
fluorene			K.		PCB-1016	1-	<del> </del>		1
phenanthrene			X		toxaphene			X	1
dibenzo(a,h)anthracene					antimony (tôtal)				
indeno(1,2,3-c,d)pyrene			X		arsenic (total)			\	
pyrene				· ·	asbestos (fibrous)	1			
etrachloroethylene			X		beryllium (total)			1	<u> </u>
coluene		<del>—</del>	152		cadmium (total)	1	f	1	<b> </b>
trichloroethylene		<u> </u>		· .	chromium (total)			\.\.	
vinyl chloride			×		copper (total)			11	
aldrin			17		cyanide (total)			1	
dieldrin			$\mathbb{N}$		lead (total)			1	1
chlordane		1			mercury (total)				
4,4 DDT					nickel (total)			1	
4,4 DDE			//		selenium (total)				T
4,4 DDD		Ī			silver (total)			X	
endosulfan 1			X		thallium (total)	$T^{-}$		17	
endosulfan 11			$\leq$		zinc (total)			\	
endosulfan sulfate			1><		2,3,7,8, tetrachlorodibenzo			1.7	
		1			p-dioxin			X	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

NAME	A	В	С	D		A	В	С	D
acrylamide			X		n,n-dimethyl aniline			X	·-·
amitrole			X		3,3-dimethyl benzidine				
amyl alcohols			K		1,1-dimethylhydrazine				
anilne hydorchloride			1		dioxane		<u> </u>	1	<u> </u>
anisole			$\geq$		diphenylamine			1.<	
auramine					ethylenimine	1		. ~-	
benzotrichloride			X		hydrazine				
benzylamine			7		4,4'-methylene bis			`>-	: L
		1			(2-chloroaniline)		_		
o-chloroaniline		1	$\sum$		4,4'-methylenedianiline			`~_	
m-chloroaniline				1	methyl isobutyl ketone		i	` ~	
p-chloraniline			$\times$		alpha-naphthylamine			1	
1-chloro-2-nitrobenzene			$\times$		beta-naphthylamine		T	1	
1-chloro-4-nitrobenzene			$\geq$		n-methylaniline			//	
chloroprene		<b>⊥</b>	$\geq \leq$		1,2-phenylenediamine				
chrysoidine			$\geq$		1,3-phenylenediamine				
cumene		<u> </u>	$\times$		1,4-phenylenediamine	_ i			
2,3-dichloroaniline				11	sudan 1 (solvent yellow 14)			~	
2,4-dichloroaniline			1./		thiourea				1
2,5-dichloroaniline			$\geq \leq$		toluene sulfonic acids				1
3,4-dichloroaniline			$\downarrow \geq$		toluidines		<u> </u>		1
3,5-dichloroaniline		<u> </u>	$\geq$		xylidines				
1,3-dichloropropene			<b>↓</b> ≥<	1				<del></del>	.
1,3-dimethoxybenzidine	1		$\searrow$					_	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### TABLE 3 EPA HAZARDOUS SUBSTANCES

4		1	1				j l	
A	В	С	D	·	A	В	С	D
		1/		isopropanolamine			$\mathcal{F}$	
		X		kelthane			1	
1		SZ		kepone			>	\
1		15/		malathion			·	
7		15%.		mercaptodimethur			74	
		X		methoxychlor			~	
		X		methyl mercaptan			~	1
1				methyl methacrylate			1	1
		1		methyl parathion			1	
		N		mevinphos			· -	1
1		1		mexacarbate			S	
1		K?		monoethyl amine			<b>\</b>	
<del> </del>	†	1		monomethyl amine			1	
	1	ヤン					1. 1	<del> </del>
	1	K/					13	
+	<del>                                     </del>	<del>\</del> ✓	<del> </del>	u		1	1×1	<del>}</del>
<del> </del>	1	<del>k⁄&gt;</del>						_
_	┪	۱Ĉ				<b> </b>		1
+	<del> </del>	<del>\(\frac{1}{2}\)</del>					K.	<del> </del>
-						1	\	†
	<del>                                     </del>	1		propylene oxide		<del> </del>		1
<del> </del>		ΚŻ	1.5			1	1	T
		K	<b> </b>	quinoline				†—-
	\$ 67	X	1	resorcinol				
	-	1		strontium			122	
	•			strychnine			1	
		$\nabla$		stryrene			17	1
		17		2,4,5-T (2,4,5-trichloro-			1	1
		1		phenoxy acetic acid)		-		
		X						1
						= >	-	-
		/					X.	
		1		trichlorophenoxy)		<del> </del>	+===	1
	1	1		propanoic acid		1		-
	1	1·Z	$\top$	trichlorofon		1	17	1
_		17		triethylamine		1	17	1
	1	1	1	trimethylamine		+	1	<del>-  </del>
					isopropanolamine kelthane kepone malathion mercaptodimethur methoxychlor methyl mercaptan methyl methacrylate methyl parathion mevinphos mexacarbate monoethyl amine monomethyl amine naled napthenic acid nitrotoluene parathion phenolsulfanate phosgene propylene oxide pyrethrins quinoline resorcinol strontium strychnine stryrene 2,4,5-T(2,4,5-trichloro- phenoxy acetic acid) TDE (tetrachloro- diphenylethane) 2,4,5-TP 2-(2,4,5- trichlorophenoxy) propanoic acid trichlorofon triethylamine	isopropanolamine kelthane kepone malathion mercaptodimethur methoxychlor methyl mercaptan methyl methacrylate methyl parathion mevinphos mexacarbate monoethyl amine monomethyl amine naled napthenic acid nitrotoluene parathion phenolsulfanate phosgene propargite propylene oxide pyrethrins quinoline resorcinol strontium strychnine strychnine strychnine strychnine strychnine ylamine propylene oxide pyrethrins quinoline resorcinol strontium strychnine	isopropanolamine kelthane kepone malathion mercaptodimethur methoxychlor methyl mercaptan methyl methacrylate methyl parathion mevinphos mexacarbate monoethyl amine monomethyl amine naled napthenic acid nitrotoluene parathion phenolsulfanate phosgene propargite propylene oxide pyrethrins quinoline resoreinol strontium stryrene 2,4,5-T (2,4,5-trichloro- phenoxy acetic acid) TDE (tetrachloro- diphenylethane) 2,4,5-TP 2-(2,4,5- trichlorophenoxy) propanoic acid trichlorofon triethylamine	isopropanolamine kelthane kepone malathion mercaptodimethur methoxychlor methyl mercaptan methyl mercaptan methyl parathion mevinphos mexacarbate monoethyl amine monomethyl amine naled napthenic acid nitrotoluene parathion phenolsulfanate phosgene propylene oxide propylene oxide pyrethrins quinoline resorcinol strontium strychnine stryrene 2,4,5-T (2,4,5-trichloro- phenoxy acetic acid) TDE (tetrachloro- diphenylethane) 2,4,5-TP 2-(2,4,5- trichlorophenoxy) propanoic acid trichlorofon triethylamine

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

NAME	A	В	С	D		A	В	С	D
ethanolamine ethion ethylene diamine ethylene dibromide formaldehyde furfural guthion isoprene			XXXXXXX		uranium vanadium vinyl acetate xylene xylenol zirconium			プンダンス	

- A. KNOWN TO BE PRESENT
- B. SUSPECTED TO BE PRESENT
- C. KNOWN TO BE ABSENT
- D. SUSPECTED TO BE ABSENT

#### KLEER KAST, INC.

#### Certified Resolutions

I, LORI M. JOHNSON, hereby certify that I am the duly elected and acting Vice President and Assistant Secretary of KLEER KAST, INC., a Delaware corporation; and that the following resolutions were adopted by unantimous written consent by the Board of Directors of Kleen Kast, Inc. without a meeting, as authorized by the Plaws of said corporation:

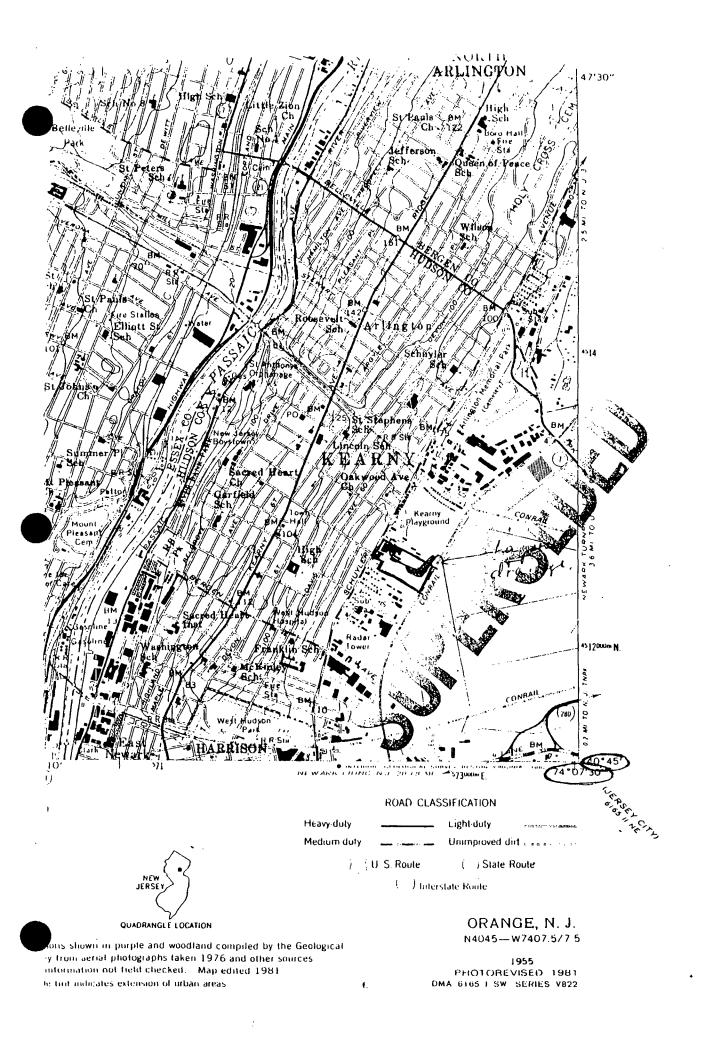
"NOW, THEREFORE, BE IT RESOLVED, that this Corporation prepare and file a written application for sewer connection, and that Larry Caso, general manager of this Corporation be and he hereby is authorized and directal to executed for and in the name of this Corporation a certain Passaic Valley Sewerage Commissioners Application for Sewer Connection Rermit, and to take such further steps and to execute and deliver such additional instruments at may be necessary or proper to effectuate the intent of these resolutions."

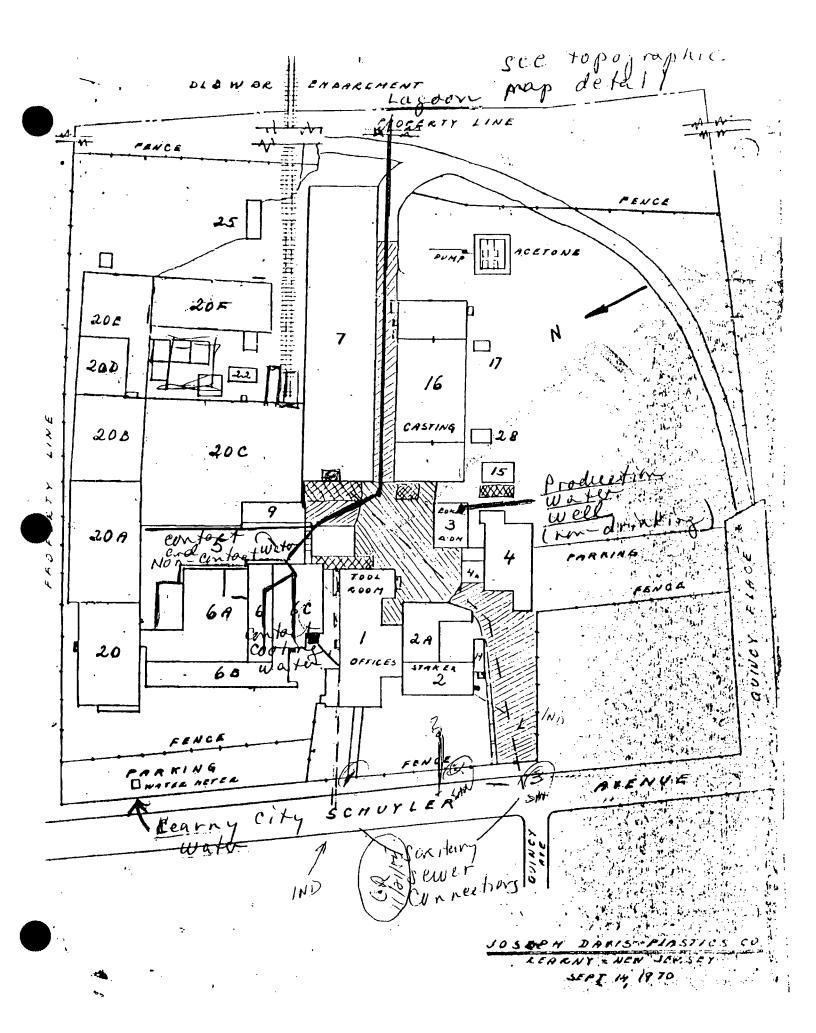
The foregoing resolutions have not been amended, rescinded, or modified and the in full force and effect on and as of the date hereof that any taken effect on the 27th day of September, 1985

WITNESS my signature under the seal of the Corporation on this 27th day of September, 1985.

Corporate Seal

LORI M. JOHNSON/ Vice President and Assistant Secretary of Kleer Kast, Inc., a Delaware corporation





120-6882

#### SHIMEL and SOR TESTING LABORATORIES, INC.

Testing - Inspection - Consultation

98 Sand Park Rd., Cedar Grove, N.J. 07009 (201) 239-6001

Branch Office: 118 - 120 Sandford St. New Brunswick, N. J. 08903 (201) 494-2448 Kamil Sor, Ph.D. Charles Shimel, P.E.

November 29,1985 Report No. 85-5560

Mr. Earold Carscadden Passaic Valley Sewerage Commissioners 600 Wilson Ave. Newark, NJ 07105

> Re: Ampol-Kleer Kast Wastewater

Dear Mr. Carscadden:

Enclosed please find the following:

- Copy of our original report for the wastewater samples taken on February 7, 1985.
- Copy of the original report from Technion, Inc. for the same sampling.

If you have any further questions, please feel free to call us.

Very truly yours,

SHIMEL AND SOR TESTING LABORATORIES, INC.

Kamil Sor, Ph. D.

President

KS/rp

120-6882

## TECHNION INC.

681 MAIN STREET BELLEVILLE, NEW JERSEY 07109

201 - 759-0228

DEP Lab. No. (07190) ANALYTICAL REPORT

CLIENT Shimel & Sor Testing Labs., Inc. 2/19/85 CLIENT REF. NO. \_\_\_

DATE February 27, 1985 TECHNION REF. NO. 7538

MATERIALS: Two (2) Water samples.

ANALYSIS REQUESTED: Total Nirogen, TOC, VOC, Acid/Base Neutrals.

The above samples were received on 2/19/85

and analyzed as requested.

CERTIFICATE OF ANALYSIS

TEST RESULTS:

Parameters #A #B Total Nitrogen 1.3 0.9 TOC 116.0 85.0

All test results are in parts per million (ppm).

Submitted Respectfully,

la Sallina

Omar Baturay

Laboratory Manager

. OB/cgr

120-6882-

#### .atile Organics

Two	(2)	Water	samples.

#### 681 MAIN STREET BELLEVILLE, NEW JERSEY 07109

2/19/85

2/19/85		201 - 7	- 59·0228
0.07.000.000		A	B ≥ 10
CHLOROMETH		<i>-</i> ∠ 10	1.0
BROMOMETILA	•	<b>-</b> 10	_ 10
DICHLORODI	FLUOROMETHANE	10	- 10
VINYL CHLO	RIDE	10	<del>-</del> 10
CHLOROETHA	NE	_< 10	~ 10
METHYLENE	CHLORIDE	25	40
TRICHLOROF	LUOROMETHANE	<del></del> 10	<b>∠</b> 10
1,1 DICHLO	ROETHYLENE	∠ 10	<del>~</del> 10
1,1 DICHLO	ROETHANE	<i>-</i> ≤ 10	<del></del> 10
trans-1,2	DICHLOROETHYLENE	∠ 10	<del>~</del> 10
CHLOROFORM		< 10	<i>→</i> 10
1,2 DICHLO	ROETHANE	∠ 10	< 10
1,1,1 TRIC	HLOROETHANE	<b>~</b> 10	<b>~</b> 10
CARBON TET	RACHLORIDE	<b>~</b> 10	<b>~</b> 10
BROMODICHIL	OROMETHANE	∠ 10	- 10
1,2 DICHLO	ROPROPANE	<b>~</b> 10	<del>~</del> 10
trans-1,3	DICHLOROPROPANE	∠ 10	<del>~</del> 10
TRICHLOROE	THYI.ENE	∠ 10	200
DIBROMOCHL	OROMETHANE	<- 10 <p></p>	<b>∠</b> 10
1,1,2 TRIC	HLOROPROPYLENE	<b>∠</b> 10	<b>~</b> 10
BENZENE		<i>~</i> −10	<b>~</b> 10
2-CHLOROET	HYLVINYL ETHER	<b>←</b> 10	<b>~</b> 10
BROMOFORM	•	<b>~</b> 10	<b>~</b> 10
1,1,2,2 TE	TRACHLOROETHANE	<b>~</b> 10	<del></del> 10
TETRACHLOR	OETHYLENE	<del>-</del> 10	<b>~</b> 10
TOLUENE		< 10	<b>~</b> 10
CHLOROBENZ	ENE .	<b>∠</b> 10	~ 10
ETHYLBENZE	NE	<del></del> 10	<b>~</b> 10
ACROLEIN		<del>-</del> 10	~ 10
MODELINO	ACRYLONITRILE	<b>∠</b> 10	<del>-</del> 10
A TIES	Petroleum Hydrocarbons	<b>~</b> 10	< 10
	Oxylene Mxylene	< 10 < 10	
	Pxylene	10 10	
0000	All test results are in		

CHEMICAL ANALYSIS

120-6882

#### Base/Neutral-Extractable Compounds

	<u>A</u>	<u>B</u>	•	A	<u>B</u>
				·	,
Acenaphthene	<u>~</u> 10	<del>~</del> 10	Diethyl phthalate	30	604
Acenaphthylene	<b>∠</b> 10	∠10	Dimethyl phthalate	43	180
Anthracene	10	<b>∠</b> 10	2,4-Dinitrotoluene	<b>∠</b> 10	<b>∠</b> 10
Benzo (a) anthracene	<i>=</i> 10	<b>-&lt; 10</b>	2,6-Dinitrotoluene	<del>=</del> 10	< 10
Benzo (b) fluoranthene	<del> 10</del>	<b>~</b> 10	Di-n-octyl phthalate	<b>~</b> 10	<del> 10</del>
Benzo (k) fluoranthene	<b>~</b> 10	∠10	1,2-Diphenyl hydrazine	<del></del> 10	∠ 10
Benzo (a) pyrene	<b>→</b> 10	<b>∠</b> 10	Fluoranthene	<b>∠</b> 10	10
Benzo (ghi) perylene	10	<b>∠10</b>	Fluorene	<b>∠</b> 10	<del>~</del> 10
Benzidine	<b>~</b> 10	<b>∠</b> 10	Hexachlorobenzene	<b>~</b> 10	~10
Bis (2-chloroethyl) ethe	er = 10	<b>∠</b> 10	Hexachlorobutadiene	<del>-</del> 10	<b>~</b> 10
Bis (2-chloroethoxy) met	hañel0	<b>~</b> 10	Hexachloroethane	<b>~</b> 10	< 10
Bis (2-ethylhexyl) phthalatel0		<b>~</b> 10	Hexachlorocyclopentadiene∠10		< 10
Bis (2-chloroisopyl) ether <10		∠ 10	Indeno (1,2,3-cd) pyrene ≥ 10		< 10
4-Bromophenyl phenyl ether <10		<b>∠</b> 10	Isophorone	∠ 10	<u>~</u> 10
Butyl benzyl phthalate	<b>~</b> 10	∠ 10	Naphthalene	<b>~</b> 10	<del>~</del> 10
2-Chloronaphthalene	<b>∠</b> 10	10	Nitrobenzene	<b>∠</b> 10	<b>∠</b> 10
4-Chlorophenyl phenyl et	ther-10	<b>~</b> 10	N-Nitrosodimethylamine	<b>~</b> 10	2 10
Chrysene	<b>←</b> 10	∠ 10	N-Nitrosodi-n-propylam	ine < 10	<b>~</b> 10
Dibenzo (ah) anthracene	~10	<b>∠</b> 10	N-Nitrosodiphenylamine	- 10	<b>→</b> 10
Di-n-butyl phthalate	40	→ 10	Phenanthrene	<b>~</b> 10	< 10
1,3-Dichlorobenzene	10 سے	<b>~</b> 10	Pyrene	<b>∠</b> 10	<b>∠</b> 10
1,4-Dichlorobenzene	<u> </u>	<b>-10</b> .	2,3,7,8-Tetrachloro-	<u>~</u> 10	<b>~</b> 10
1,2-Dichlorobenzene	<b>~</b> 10	<i></i> 10	dibenzo-p-dioxin	<del>-</del> 10	∠ 10
3,3-Dichlorobenzidine	<b>~</b> 10	∠10	1,2,4-Trichlorobenzen	<b>e</b> ~10	<b>∠</b> 10
·					

All test results are in parts per billion (ppb).

120-6882

#### Acid-Extractable Compounds

	_A_	В
2-Chlorophenol	<b>~</b> 10	<b>∠</b> 10
2-Nitrophenol	<b>~</b> 10	<b>~</b> 10
Pheno1	220	. ~ 10
2,4-Dimethylphenol	∠ 10	270
2,4-Dichlorophenol	<b>~</b> 10	~10
2,4,6-Trichlorophenol	~ 10	≥ 10
4-Chloro-3-methyl- phenol	<b>~</b> 10	<b>∠</b> 10
2,4-Dinitrophenol	~ 10	<b>~</b> 10
2-Nethyl-4,6-dinitro- phenol	<b>~</b> 10	<b>~</b> 10
Pentachlorophenol	<b>~</b> 10	∠ 10
4-Nitrophenol	<b>~</b> 10	_ 10

All test results are in parts per billion (ppb).

1317-12

## Ampol

## MleerMast

450 Schuyler Avenue Kearny, New Jersey 07032 (201) 997-1880

January 6, 1986

Mr. Harold Carscadden
Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, N.J. 07105

Dear Mr. Carscadden:

We have reviewed our waste water situation with the U.S.E.P.A. in Federal court. They require us to provide a master plan for our facility and a compliance time table.

In reviewing our requirements, we have decided to consolidate our manufacturing facilities into Building #7 on the site diagram and to modify sewer connection #3 for industrial waste. In initial discussions we had planned to modify sewer connection #1 for industrial waste.

We have retained Baker Engineers of Beaver, Pa. to do the necessary work. W.E. Rosenbaum made a survey in mid-December. He suggested a two-part program. After the sewerline is prepared for industrial waste discharge, temporary connections to the blenders and compounders would be made in the first phase. In the second phase certain machinery would be modified and connected permanently to the #3 sewerline. The two phase approach would allow the quickest compliance to the U.S.E.P.A. requirements. Baker Engineers are submitting an estimate for both phases. As soon as any plans, even very preliminary ones, are prepared, we will show them to P.V.S.C.

Our solid waste handler is Delbros, Inc. 79 Schuyler Ave., No. Arlington, N.J. 07032, the P.U.S. #SW418, the N.J. DEP #04490.

Yours truly,

Charles B. Robinson Technical Manager

Charles B. Rolum

CBR; kk

DATE

5/2/86

COMPANY

Ampol/Klear Kast

Kearny

COMPANY REP.

Mr. Johnson

PVSC REP.

R. Quintieri, R. Hampson

**PURPOSE** 

Pretreatment Classification

40 CFR 463

We inspected the facility to classify the company. At present they are in the process of redirecting their contact water discharge lines from Frank's Creek to the PVSC system. They are also relocating their equipment to facilitate the routing of the waste water and to incorporate Ampol a newly acquired company, at this location. They expect the completion of the installation by the end of June.

The company's operation consists of the blending and extruding of polymers derived from cellulose acetate. The Ribbon Blending operation is covered under 40 CFR 463.25 Subpart B, Cleaning Water Subcategory and the extruding operation is covered under 40 CFR 463.15 Subpart A, Contact Cooling and Heating Water Subcategory.

NOTE: The company uses acetone mixed with water in their casting operation. There is no discharge from this operation into PVSC's system. The acetone is separated from the waste water, the water is used as boiler make-up.

R. Quintièri

450 Schuyler Avenue Kearny, New Jersey 07032 (201) 997-1880

June 13, 1986

Mr. Harold Carscadden
Passaic Valley Sewerage Commissioners
600 Wilson Ave.
Newark, N.J. 07105

Dear Mr. Carscadden:

We have reviewed with the U.S.E.P.A., the sampling and flow measurement designs for the non-contact cooling water out-fall to Frank's Creek. They are requesting some changes which we are negotiating. As a result the construction of the sampling and flow measurement station will not be started until the negotiation has been resolved. The water balance of input and out-put water will be incomplete, since there will be no way to monitor the out-put of the Frank's Creek-Meadowlands water.

We will contact you as soon as the question has been resolved and construction has begun.

Yours truly,

Charles B. Robinson Technical Manager

Chell B. Beling.

Jele Klen Kest

#### MEMORANDUM

TO:

Carmine T. Perrapato, Executive Director

FROM:

Frank P. D'Ascensio

DATE:

April 29, 1987

SUBJECT:

**EPA ENFORCEMENT ACTION** 

Attached is a copy of an exerpt from the April 10, 1987 Environmental Reporter which describes an EPA enforcement action against a company in Kearny. This Company was discharging directly into receiving waters in accordance with an NJPDES Permit, and was cited for alleged violations of this permit. One condition of the Consent Decree required them to hook up to a local sewer system. This company now has a Sewer Connection Permit issued by PVSC and has been discharging since July 1, 1986. Unfortunately, EPA failed to inform PVSC of this action in advance. We only found out about it from the company.

FPD/ld

cc: Tom Mack Mario Graglia

In addition, a New Jersey manufacturer agreed to pay a \$100,000 fine and comply with its Rollutant discharge permit, Seattle, Wash, was sued by the state for alleged Water Act violations, and a Minnesota hazardous waste site was cited by EPA for violations of the Resource Conservation and Recovery Act.

#### Excess Discharges of Three Chemicals Alleged

Koppers allegedly exceeded pretreatment limits at its plant for ammonia, phenol, and cyanide, and failed to report and document the instances as required under requirements for pretreatment of industrial wastewater, according to EPA (U.S., v. Koppers Co., NDOhio, No. C87-7218).

The suft, filed in federal court, charged Koppers with discharging hazardous and toxic pollutants into sewer systems in excess of the limits contained in the facility's

permit, the agency said.

Samples were taken by the company on three occasions that indicated to EPA that Koppers exceeded permit limits established for ammonia, cyanide, and phenol, according to Virginia Donohue, Section Chief of the Public Affairs Office for EPA's Region V office.

EPA asked the court to impose civil penalties of \$30,000 per day of violation. Donohue said the agency seeks a civil penalty for violations that have occurred since July 10, 1985.

A spokesman for Koppers reached April 7 at the company's Pittsburgh headquarters declined to comment on the

#### \$3.2 Million Waste Site Settlement

In the largest civil settlement of its kind in California, IT Corp. April 1 agreed to pay \$3.2 million in response to 55 violations cited by state officials at the company's Northern California hazard waste disposal site.

According to the state Department of Health Service, the settlement included a \$2.1 million civil penalty to be paid to the state and the dedication of \$1.1 million to upgrade emergency service and recordkeeping at two of IT Corp.'s

facilities.

The settlement, filed in Contra Costa County Superior Court, resulted from five months of negotiation between the company and state officials over 23 alleged violations at the IT Corp.'s Panoche facility and another 32 alleged violations at its Vine Hill site.

The alleged violations were discovered during an investigation by EPA, which referred the case to state officials for enforcement, according to the Department of Health Service.

California alleged that at the facilities the company conducted poor recordkeeping, had an inaccurate emergency plan, and failed to prevent toxic emissions. IT Corp. did not admit to violations at the facilities, under the settlement.

IT Corp. agreed to contribute \$1.1 million to buy emergency response equipment for each facility and assist local health officials in treating persons exposed to toxic material

from the site.

Dr. Kenneth W. Kiver, director of the state health agency, observed that "while none of the [violations] in the complaint represented immediate threats to public health or the environment, they were serious enough to demand immediate attention by all parties."

#### Los Ángeles Pays \$625,000 Water Act Fine

Los Apgeles paid a \$625,000 fine assessed under the Water Act for violations at the city's Hyperion Sewage Treatment Plant, EPA announced April 3. The fine is the largest ever collected from a municipality under the Act, the agency

Los Angeles entered into a consent decree with EPA that required the city to pay the fine and install a secondary sewage treatment system for the area by Dec. 31, 1987. In addition, Los Angeles agreed to stop dumping sewage sludge into the Santa Monica Bay (EPA v. City of Los Angeles, CDCalif, No. CV-773Q47HP).

The decree, which was approved in February by a federal district court, provides that environmental groups in the Los Angeles area will have an opportunity to act as "watchdogs" over the city's compliance with Water Act requirements (Cyrrent Developments, Feb. 27, p. 1830).

#### \$192,500 Fine in New Hampshire Water Case

The Millipore Corp. agreed to pay a \$192,500 fine and conduct a groundwater contamination study as part of a consent decree filed March 26 in the federal district court in New Hampshire, EPA announced (U.S.  $\vartheta_1$ , Millipore Corp., DNH, No. 84-195-L).

The decree resolves a water pollution case initiated in March 1984 by EPA against the company. EPA alleged that from 1972 to 1985 Millipore was discharging pollutants from its Jaffrey, N.H., plant without a permit under the Water

Edith Goldman, an EPA Region I office attorney, listed mercury, copper, zinc, formaldehyde, and N-methyl-2-pyrrolidone among the chèmicals found in wastewater samples at the site and subsequently restricted under an industrial user permit issued by the town of Jaffrey in 1985.

Millipore admitted to no violations in the case. In September 1985 it applied to EPA and New Hampshire for wastewater discharge permits and to the town of Jaffrey for

permission to use its treatment facility.

Goldman said the EPA never issued Millipore a pollutant discharge permit because the company challenged EPA's calculation of the volume of pollutants discharged and the discharge limits imposed under the permit.

However, she noted that when the town issued a permit the company effectively came into compliance with the Act, and the company began to reroute its wastewater through a tie-in with the Jaffrey treatment facility. Thus, the pending EPA permit was modified to restrict only stormwater drainage, she noted.

The decree calls for Millipore to pay \$128,000 to the federal government and \$64,500 to the state. It also sets up a sampling program to monitor compliance with the existing permits, and stipulates penalties for non-compliance. As part of its settlement with the state, Millipore also must conduct a study to determine if groundwater contamination exists in the vicinity of its Jaffrey plant.

#### New Jersey Firm Signs Consent Decree

A New Jersey manufacturer of cellulose acetate sheeting agreed to pay a \$100,000 civil penalty for alleged violations of its pollutant discharge permit, according to a consent decree filed March 10 in the U.S. District Court for the District of New Jersey (U.S. v. Kleer Kast Inc., No. 85-

Under the decree, Kleer Kast Inc. of Kearny, N.J., agreed to comply with its August 1984 permit under the Clean Water Act, including requirements that the company compete a link to a local sewage treatment facility, install flowmetering devices, and report compliance with discharge limits to EPA.

The consent decree, which is subject to federal court approval, also requires Kleer Kast to monitor its discharges every two months for the chemicals Phenol, Bis(2-Ethylhexyl) Phthalate, Diethyl Phthalate, and Acetone. In addition, the company must report to EPA on the specific activities being done to comply with the permit and decree.

Should the company fail to comply with the requirements of its discharge permit or the consent decree, it would be required to pay stipulated penalties of \$1,000 per day for violations, and could be subject to further civil or criminal penalties.

#### Washington Sues Seattle over Water Pollution

The Washington Department of Ecology March 31 filed suit against Seattle's municipal sewage treatment agency, alleging that it is violating state and federal laws by failing to meet deadlines for installing secondary treatment facilities (State of Washington v. Municipality of Metropolitan, King County, Wash., Superior Court, No. 87-2-05395-4).

While METRO plans to install secondary treatment at its West Point plant by 1995, the complaint says that will be long after the deadline for secondary treatment under the Clean Water Act.

The Department of Ecology is seeking a ruling that METRO is violating state law and an injunction against further operation of the primary treatment plant "except in compliance with a remedial schedule designed to achieve expeditious installation of secondary treatment."

The Department of Ecology asked the court to put MET-RO on a mandatory compliance schedule and under sewer extension and hookup bans and possible penalties.

In addition, the complaint says, METRO may violate an administrative order issued in September 1984 requiring the agency to complete final plans and specifications for secondary treatment by Reb. 1, 1988, and finish building the facilities by Feb. 1, 1991.

'Achievement of either date now appears practically

impossible," according to the complaint.

METRO operates its West Point primary treatment plant under a Department of Ecology discharge permit issued in November 1986 requiring that the facility achieve effluent limits based on secondary treatment, according to the complaint. The plant discharges an average of 132 million gallons of effluent a day.

#### RCRA Violations Alleged at Minnesota Sité

In a March 4 complaint, the Justice Department charged Rogers Petro-Chem Inc. with violations of the Resource Conservation and Recovery Act. The department also sought \$60,000 in penalties from the Grove City, Minn., facility and its two directors, Arthur Dewaynn Rogers and Kathleen Rogers (U.S. v. Rogers, DMinn, No. 4-87-131).

Rogers Petro-Chem was charged with failing to submit proper notice to EPA and Minnesota that it was carrying on activities with hazardous waste. According to Justice, the federal court suit was filed due to the company's failure to comply with an April 1985 order from an EPA administrative law judge.

Minnesota inspected the facility in February 1981 and determined that Roger's Petro-Chem was violating state and federal requirements, according to the complaint. As a result of the inspection, EPA issued an administrative order and initiated administrative enforcement proceedings against the company and directors.

During the course of the EPA proceedings, Rogers Petro-Chem and the Rogers failed to dispute any of the allegations made by the agency, according to the complaint. The administrative judge ruled in favor of EPA, ordering the company to submit information about hazardous waste at the Grove City site and a closure plan for the site. In addition, Petro-Chem was ordered to pay a \$60,000 penalty, the complaint said.

The Justice Department asked the federal court to enforce the administrative order and to order the Rogers and their company pay a civil penalty of \$25,000 for each day that the administrative order was violated.

U.S. marshala mailed a copy of the complaint to the Rogers, but the Rogers never indicated they received it, according to Paul Day, an assistant U.S. attorney in Minneapolis. Day told BNA April 7 that a U.S. marshal would be sent to the Rogers to make an in-person delivery of the complaint.

#### Underground Tanks

#### **EPA GUIDELINES DESCRIBE STATE ACTIONS** NEEDED TO OPERATE UST TRUST FUND PROGRAMS

Guidance has been issued by the Environmental Protection Agency describing actions states will have to undertake to assume primary responsibility for cleaning up leaks under the superfund underground storage tank trust fund, an agency official told BNA April 2.

John Heffelfinger, manager of corrective action in the EPA Office of Underground Storage Tanks, said the agency sent the trust fund guidelines to EPA regional offices April 2. The guidelines will be used to establish cooperative agreements between EPA and the states on use of the fund, he said.

The 1986 amendments to the Comprehensive Environmental Response, Compensation, and Liability Act (superfund law) set up the \$500 million trust fund, which is being financed by a tax on motor fuel and will be used over five years to clean up leaking underground storage tanks.

Under the guidelines, states will have the biggest share of responsibility for distributing trust fund money, just as agency officials have been predicting, Heffelfinger said (Current Developments, Feb. 20, p. 1989; Nov. 7, 1986, p.

The EPA official said that the guidelines for cooperative agreements will allow states to begin using money from the trust fund immediately while they develop permanent programs complying with trust fund requirements, which must be approved by EPA under the Resource Conservation and Recovery Act.

#### State Requirements Outlined

Under the guidelines, states will have responsibility for investigating and conducting exposure assessments at leaking tank sites and establishing site cleanup priorities.

In addition, states will take the lead role in pursuing and ordering corrective action by responsible owners of leaking underground tanks as well as in determining appropriate technologies for effective corrective action, conducting cleanups, and recovering costs from responsible parties.

The guidelines outline specific activities that can be addressed using trust fund money and dictate in detail the requirements that state programs should meet in each area of responsibility from site investigation to cost recovery.

EPA also describes in the guidelines its role in overseeing state trust fund programs, acceptable public participation policy, and appropriate quality assurance efforts that states should undertake as part of the program.

For further information on the guidance, "State Applica-tion Guidelines for Initial UST Trust Fund Cooperative Agreements," contact RCRA/Superfund Hotline, toll free, at (800) 424-9346, or, in Washington, D.C., at (202) 382-3000.